



Virtual University

CS411- VISUAL
PROGRAMMING
(SOLVED MCQs)
FROM MIDTERM PAPERS
LECTURE (1-22)



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1. Every ____ is represented by an event-object.

- ❖ Information
- ❖ Entity
- ❖ Object
- ❖ **Event page10**

2. Which statement is True about interfaces?

- ❖ An interface can contain only methods, variables, events, and indexers.
- ❖ An interface can contain only variables, properties, events, and indexers.
- ❖ An interface can contain only methods, properties, variables, and indexers.
- ❖ **An interface can contain only methods, properties, events, and indexers. Page 40**

3. Which one is the correct syntax for declaring attribute?

- ❖ **[Obsolete] page 48**
- ❖ {Obsolete}
- ❖ (Obsolete)
- ❖ *Obsolete

4. An "object" element can have ____ type/s of children.

- ❖ Four
- ❖ **Three Page 73**
- ❖ Two
- ❖ One

5. ____ allows to keep the user interface description and implementation separate.

- ❖ GDI

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❖ WPF (Page#61)

❖ Avalon

❖ Altia

6. There is/are ___type(s) of padding in WPF element.

❖ One

❖ Two

❖ Three

❖ Four

7. Which of the following is not a feature of "C#"?

❖ Operator overloading is not allowed. Page 17

❖ Multiple Inheritances is not supported but interfaces are supported.

❖ Enumeration members are scoped.

❖ Global variables or functions are not allowed.

8. Stylus can behave like a ___ but has ___ resolution.

❖ Keyboard, lower

❖ Mouse, lower

❖ Mouse, higher page 122

❖ Keyboard, higher

9. Attributes are declared ___ the class/function.

❖ Within

❖ After

❖ Above

❖ Outside

10. If we want that "Stretch" property of child element takes the available "height or

width of parent" and shape of child element doesn't change, then we should write

❖ "Stretch = ___".

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- ❖ Fill page 109
- ❖ UniformToFill
- ❖ Uniform

11. The code given below is equivalent to ____.

- ❖ `<SolidColorBrush>White</SolidColorBrush>`
- ❖ `<WhiteBrush >MyWhiteBrush </ WhiteBrush>`
- ❖ `<SolidColorBrush Color="White"/>` (Page#65)
- ❖ `<Brush Style= "SolidWhite">`

12. Visual Studio has a snippet called ____ that automatically expands into a definition of a

dependency property, which makes defining one much faster than doing all the typing yourself!

- ❖ Propdp (Page#77)
- ❖ Property extension
- ❖ Dpprop
- ❖ Dependency property

13. Multiple ____ are conventionally stored in multiple files.

- ❖ Functions
- ❖ Values
- ❖ Variables
- ❖ Classes (Page#22)

14. "Situation" is an event occurrence that requires a (n) ____.

- ❖ Reaction page 10
- ❖ Class
- ❖ Object
- ❖ Action

15. We have two buttons "b1" and "b2". If we want to place "b1" on "b2" then value of

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- ❖ "ZIndex" of "b1" should be ___ the value of "ZIndex" of "b2".
- ❖ Less than
- ❖ Greater than
- ❖ Equal to
- ❖ **No need to give value of ZIndex of b1 page99**

16. Events can be _____.

- ❖ Specialized
- ❖ Composed
- ❖ Generalized
- ❖ **All of the given options page 15**

17. Wpf 3.5 released in

- ❖ 2005
- ❖ 2006
- ❖ **2008 Page No 61 In AUGUST**
- ❖ 2009

18. The corresponding type converter class for "Brush" class will be _____.

- ❖ **BrushConverter**
- ❖ CastBrush
- ❖ BrushCast
- ❖ None of the given options

19. Extension methods _____ access the private data members of the class in which they are extended.

- ❖ may
- ❖ **cannot**
- ❖ may not
- ❖ can

20. Which "transform" property can help us to flip the element from its center?

- ❖ ScaleY

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- ❖ None of given options
- ❖ ScaleX
- ❖ **RenderTransformOrigin page 126**

21. CLI stands for_____.

- ❖ Compact Language Infrastructure
- ❖ **Common Language Infrastructure page18**
- ❖ Console Language Infrastructure
- ❖ Control Language Infrastructure

22. The elements in a/an____ are always stored in a contiguous block of memory.

- ❖ Tree
- ❖ **Array**
- ❖ Variable
- ❖ Struct

23. The _____statement iterates over each element in an "enumerable" object.

- ❖ **Foreach page 191**
- ❖ Dowhile
- ❖ While
- ❖ For

24. We are checking that whether an element is eligible for focus or not, which property

will help us in this testing?

- ❖ Focus
- ❖ IsFocus
- ❖ IsFocusable
- ❖ **Focusable page 121**

25. Directory is the class of_____.

- ❖ System.Collections.Generic

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- ❖ System.Reflection
- ❖ System.Text
- ❖ System.IO MPOV and GOOGLE

25. WCF stands for

- ❖ Windows Communication Foundation
- ❖ Windows Class Foundation
- ❖ Windows Classic Foundation
- ❖ None

26. C# is a ___ and .NET is a ___.

- ❖ Platform, Language
- ❖ Package, Language
- ❖ Language, Package
- ❖ Language, Platform

27. The ____, ___ and ___ of applications that use events, either directly or indirectly is called event-based programming.

- ❖ Model, Code, Operation
- ❖ Analyze, Design, Operation
- ❖ Code, Operation, Maintain
- ❖ Design, Coding, Operation

28. Suppose we want to restrict the user to don't decrease the height of a WPF element from a specific amount, then which property will be used?

- ❖ MinHeight
- ❖ None
- ❖ HeightMinimum
- ❖ MinimumHeight

29. Types not defined in any namespace are said to reside in the ___ namespace.

- ❖ Static
- ❖ Virtual
- ❖ Local
- ❖ Global

30. Overloaded operators must be _____

- ❖ Referenced
- ❖ Static

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- ❖ Objective
- ❖ Delegates

31. If we want to scale an object in the 2-D x-y coordinate system then which transform class will be used?

- ❖ Rotate Transform
- ❖ Matrix Transform
- ❖ **Translate Transform**
- ❖ Skew Transform

32. Polymorphism works on the basis that child class should have ____ feature/s of its parent class.

- ❖ Only one
- ❖ No
- ❖ Few
- ❖ **All**

33. The root object element in XAML must specify at least _____ XML namespace that is used to qualify itself and any child elements.

- ❖ **one(Page#63)**
- ❖ two
- ❖ three
- ❖ five

34. In event-driven architecture (EDA), _____ sends event to _____.

- ❖ Event Consumer, Event Producer
- ❖ **Event Producer, Event Consumer(Page#10)**
- ❖ Event Handler, Event Producer
- ❖ Event Generator, Event Producer

35. Auto-implemented properties do not allow simplified syntax.

- ❖ True
- ❖ **False(Page#30)**

36. Clean room design is useful as a defense against _____.

- ❖ Copyright
- ❖ Trade secret infringement
- ❖ **Copyright and trade secret infringement(Page#13)**
- ❖ None of the given options

37. _____ is an occurrence within a particular system or domain.

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- ❖ Function
- ❖ **Event (Page#7)**
- ❖ Information
- ❖ Transaction

38. BAML stands for:

- ❖ binary application map language
- ❖ binary application markup linkage
- ❖ **binary application markup language(Page#69)**
- ❖ binary application map linkage

39. If we want to place a component at top in "dockpanel" then which one is correct syntax?

- ❖ PanelDock="Top"
- ❖ Dock="Top"
- ❖ **DockPanel.Dock="Top"(Page#93)**
- ❖ DockPanel="Top"

40. Dock panel allows easy docking of elements to an entire side.

- ❖ **True(Page#91)**
- ❖ False

41. _____ processing operations include reading, creating, transforming, and deleting events.

- ❖ Observed Events
- ❖ **Common event(Page#8)**
- ❖ Deducted Events
- ❖ Probabilistic Events

42. The _____ in the namespace indicate a hierarchy of nested namespaces.

- ❖ Arrows
- ❖ **Dots** **GOOGLE**
- ❖ Semicolon
- ❖ **Brackets** **HO (Page#22)**

43. The interface forces each component to expose specific _____ members that will be used in a certain way.

- ❖ **Public(Page#35)**
- ❖ Private
- ❖ Both of above

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- ❖ None of the given
44. Static ctor exists to initialize class static members and called only ____.
- ❖ **Once(Page#23)**
 - ❖ Twice
 - ❖ Anytime
 - ❖ All of the given
45. Interfaces define a contract.
- ❖ **True(Page#35)**
 - ❖ False
46. Additional XML namespaces (on the root or on children) must be _____ to be used on any identifiers from that namespace.
- ❖ Given a common prefix
 - ❖ Qualified with “Pre” keyword
 - ❖ **Given a distinct prefix(Page#63)**
 - ❖ Qualified with “Ext” keyword
47. We want the width of button should cover the whole width of StackPanel in WPF then what should be value of HorizontalAlignment property of button?
- ❖ Parent
 - ❖ Whole
 - ❖ Fill
 - ❖ **Stretch(Page#97)**
48. _____ decouple producers and consumers.
- ❖ Requests
 - ❖ **Events(Page#10)**
 - ❖ Functions
 - ❖ All of these
49. To declare an anonymous method, you just use keyword “_____”.
- ❖ handler
 - ❖ event
 - ❖ **delegate (Page#47)**

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❖ none of the given

50. A (n) _____ is a subscription mechanism for events.

❖ Raw Event

❖ Event Stream

❖ **Event Channel (Page#10)**

❖ Event Producer

51. "Situation" is an event occurrence that requires a (n) _____.

❖ Class

❖ Object

❖ **Reaction**

❖ Action

52. XML is a stricter version of _____.

❖ CSS

❖ C#

❖ Java

❖ **HTML**

53. _____ contacts the service provider or the server.

❖ Event-driven

❖ **Service Requester (Page#10)**

❖ Both of the above

❖ None of the given options

54. Any class, including the same class that the event is declared in, may register one of its methods with the _____.

❖ **Event (Page 39)**

❖ Delegate

❖ Function

❖ Class

55. There are _____ methods to read XML document.

❖ **Two (1.xmldocument 2.xmlreader) Page#47**

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- ❖ Three
- ❖ Four
- ❖ Five

56. releasing resources or doing some other type of cleanup.

- ❖ Functions
- ❖ **Exception (Page#41)**
- ❖ Abstraction
- ❖ All of these

57. _____ are called by garbage collector.

- ❖ Constructors
- ❖ **Destructors (Page#23)**
- ❖ Both of above
- ❖ None of the given

58. Attributes are generally applied _____ in front of type and type member declarations.

- ❖ Logically
- ❖ **Physically (Page#42)**
- ❖ Both of above
- ❖ None of given

59. Multiple _____ are conventionally stored in multiple files.

- ❖ **Classes (Page#22)**
- ❖ Values
- ❖ Variables
- ❖ Functions

60. The _____, _____ and _____ of applications that use events, either directly or indirectly is called event-based programming.

- ❖ Model, Code, Operation

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- ❖ Analyze, Design, Operation
- ❖ **Design, Coding, Operation (Page#8)**
- ❖ Code, Operation, Maintain

61. C# is a _____ and .NET is a _____.

- ❖ Platform, Language
- ❖ **Language, platform (Page#13)**
- ❖ Package, Language
- ❖ Language, Package

62. Windows Presentation Foundations (WPF) was publicly announced in _____.

- ❖ 2000
- ❖ 2001
- ❖ 2002
- ❖ **2003 (Page#61)**

63. WPF stands for:

- ❖ Windows Powerful Foundations
- ❖ Windows Presentation Formations
- ❖ Windows Presentation Functions
- ❖ **Windows Presentation Foundations (Page#61)**

64. Value-types hold their value in _____ where they are declared.

- ❖ Variable
- ❖ **Memory (Page#33)**
- ❖ Object
- ❖ Reference

65. Indexers can take any number of _____.

- ❖ Arrays
- ❖ Variables
- ❖ **Parameters (Page#31)**

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❖ All of these

66. Attributes add declarative _____ to your programs.

❖ Clearance

❖ **information (Page#41)**

❖ Meta Data

❖ Ambiguity

67. Cast back to base type to call a/an _____ method of base.

❖ Instance

❖ Base Class

❖ **Overridden (Page#24)**

❖ Derived Class

68. _____ is said to be stateless if the way it processes one event does not influence the way it processes any subsequent events.

❖ Event Producer

❖ Raw Event

❖ **Event Processing (Page#11)**

❖ Event Stream

69. _____ is built from request-response and it moves away from monolithic applications.

❖ Event-driven architecture (EDA)

❖ **Service-oriented architecture (SOA)(Page#10)**

❖ Both of above

❖ None of the given option

70. Object variables are references to the _____ object not the object themselves.

❖ **Original (Page#20)**

❖ Alternative

❖ Primary

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❖ None of the given

71. An indexer enables your class to be treated like a/an _____.

❖ Class

❖ Function

❖ **Array (Page#30)**

❖ Pointer

72. Polymorphism needs the signatures to be the _____.

❖ Different

❖ **Same (Page#25)**

❖ Alternative

❖ None of the given

73. Types of class members in C# are _____ and _____.

❖ static, instance

❖ **instance, static (Page#22)**

❖ public, private

❖ static, private

74. Events may live _____ events like in event logs.

❖ Inside

❖ **Outside (Page#10)**

❖ Both of above

❖ None of the given

75. Additional XML namespaces (on the root or on children) must be _____ to be used on any identifiers from that namespace.

❖ Given a common prefix

❖ Qualified with “Pre” keyword

❖ **Given a distinct prefix (Page#63)**

❖ Qualified with “Ext” keyword

76. The interface forces each component to expose specific _____ members that will be used in a certain way.

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- ❖ **Public (Page#35)**
- ❖ Private
- ❖ Both of above
- ❖ None of the given

77. _____ allows to keep the user interface description and implementation separate.

- ❖ GDI
- ❖ **WPF (Page#61)**
- ❖ Avalon
- ❖ Altia

79. Dependency properties are represented by _____.

- ❖ **System.Windows.DependencyProperty (Page#75)**
- ❖ System.Windows.Dependency.Property
- ❖ System.Windows.Dependency
- ❖ System.Windows.Property.Dependency

80. Suppose we want to restrict the user to don't decrease the height of a WPF element from a specific amount then which property will be used?

- ❖ HeightMinimum
- ❖ MinimumHeight
- ❖ **MinHeight**
- ❖ None of the given

81. If we want to scale an object in the 2-D x-y coordinate system then which transform class will be used?

- ❖ Rotate Transform
- ❖ Matrix Transform
- ❖ **Translate Transform**
- ❖ Skew Transform

82. Which of the following is/are not derived from "Control" class?

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- ❖ ListBox
- ❖ StatusBar
- ❖ Button
- ❖ **None of the given**

83. Wait for a single event is _____ operation.

- ❖ Waiting
- ❖ Waste
- ❖ **Blocking (Page#8)**
- ❖ Idle

84. _____ method reads the whole document in memory.

- ❖ XPath
- ❖ **XmlDocument (Page#49)**
- ❖ XmlReader
- ❖ XmlLine

85. Which of the following events may or may not relate to an actual occurrence?

- ❖ **Probabilistic Events (Page#7)**
- ❖ Actual Events
- ❖ Real Events
- ❖ Expected Events

86. The System.Console is a _____ which enables us to do Console Input and Output.

- ❖ Structure
- ❖ **Class**
- ❖ Namespace
- ❖ Library

88. Clean room design is useful as a defense against _____.

- ❖ Copyright
- ❖ Trade secret infringement
- ❖ **Copyright and trade secret infringement (Page#13)**

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- ❖ None of the given options

89. Clean room design is also called _____.

- ❖ Clear Room Design
- ❖ Wall Technique Design
- ❖ **Chinese Wall Technique (Page#13)**
- ❖ French Wall Technique

90. Which of the following is an occurrence within a particular system or domain?

- ❖ Object
- ❖ **Event (Page#7)**
- ❖ Result
- ❖ Message

91. During the program execution, program can be stopped with the help of _____.

- ❖ Attributes
- ❖ Compiler
- ❖ **Breakpoints (Page#48)**
- ❖ Exception Handling

92. Which of the following does NOT include in event processing operations?

- ❖ Deleting Events
- ❖ Reading Events
- ❖ **Terminating Events (Page#8)**
- ❖ Transforming Events

93. The result of Exception can bring _____ in the program.

- ❖ Reliability
- ❖ Stability
- ❖ **Inconsistency**
- ❖ Consistency

95. Graphical user interfaces and the event-driven model is not applied on which of the following?

- ❖ Web Application

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❖ **Console Application (Page#4)**

❖ Mobile Application

❖ Desktop Application

96. Events are based on the principle of_____.

❖ Request

❖ Response

❖ Coupling

❖ **Decoupling (Page#10)**

97. _____ methods do not have names.

❖ Attribute

❖ Non-Anonymous

❖ **Anonymous (Page#47)**

❖ None of give

98. Which of the following is an entity that introduces event into the system?

❖ Event Channel

❖ **Event Producer (Page#11)**

❖ Event Stream

❖ Event Consumer

99. Anonymous methods _____ the code size.

❖ Double

❖ Expand

❖ **Reduce (Page#47)**

❖ Extend

100. _____ events may or may not relate to an actual occurrence

❖ Layer

❖ Properties

❖ Event properties

❖ **Probabilistic (Page#7)**

101. Task Parallel _____ exploit multicore for real parallel tasks.

❖ Structure

❖ **Library (Page#175)**

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- ❖ Class
- ❖ Namespace

102. The Main method returns a non-zero value which indicates the _.

- ❖ Source of Program
- ❖ **Error in Program**
- ❖ Termination of Program
- ❖ Exception in Program

103. WPF4 was released in_____.

- ❖ 2012
- ❖ **2010 (Page#61)**
- ❖ 2005
- ❖ 2003

104. Extension methods can only be defined in_____class.

- ❖ **Static class**
- ❖ Dynamic class
- ❖ Normal class
- ❖ String class

105. BAML is compressed representation of_____.

- ❖ CAML:NS
- ❖ **XAML (Page#69)**
- ❖ XAML:NS
- ❖ CAML

106. _____processing operations include reading, creating, transforming,

- ❖ **and deleting events.**
- ❖ Observed Events
- ❖ **Common event (Page#8)**
- ❖ Deducted Events
- ❖ Probabilistic Events

107. Static ctor exists to initialize class static members and called only _____.

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❖ **Once (Page#23)**

- ❖ Twice
- ❖ Anytime
- ❖ All of the given

108. _____ Interact with web page layout.

- ❖ Java script
- ❖ **HTML**
- ❖ XML
- ❖ DOM

109. _____ supports the creation of applications that run directly in a web browser.

- ❖ C#
- ❖ **WPF**
- ❖ HTML
- ❖ C/C++

110. Which one of the following panels is most powerful, versatile and customizable?

- ❖ Doc panel
- ❖ Stack panel
- ❖ **Grid Panel (Page#92)**
- ❖ Canvas panel

111. With the help of WPF, an ugly looking application can be _____ by the designers.

- ❖ Rearranged
- ❖ Re-created
- ❖ Rejected

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❖ **Re-themed (Page#61)**

112. Graphical user interfaces and the event-driven model are not applied on which of the following?

- ❖ Web Applications
- ❖ Mobile applications
- ❖ Desktop Applications
- ❖ **Console Applications (Page#4)**

113. C# is most often used with some implementation of the _____.

- ❖ Compact Language Interface
- ❖ **Common Language Infrastructure (Page#14)**
- ❖ Control Language Infrastructure
- ❖ Control Language Interface

114. In C#, comments are written using _____.

- ❖ # and /* /*
- ❖ **// and /* /***
- ❖ # and /*
- ❖ // and /* /*

115. XML document is readable by _____.

- ❖ Human only
- ❖ Machine only
- ❖ No one
- ❖ **Machine and Human both (Page#48)**

116. "Console" is a/an _____ class in the "System" namespace.

- ❖ Input
- ❖ Dynamic
- ❖ **Static (Page#15)**
- ❖ Virtual

117. The only _____ .Net language has an intrinsic understanding of dependency Properties.

- ❖ Vb.net

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- ❖ **Xaml (Page#74)**
- ❖ C#
- ❖ J#

118. Which of the following grabs the “OK” button by only knowing its name?

- ❖ `Button okButton = (Button>window.GetName("okButton"))`
- ❖ `Button okButton = (Button>window.getElementByName("okButton"))`
- ❖ `Button okButton = (Button>window.FindName("okButton"))`
- ❖ **`Button okButton = (Button>window.GetButton("okButton"))`**

120. Unlike type converters, however, markup extensions are invoked from XAML with _____.

- ❖ Bridge assemblies
- ❖ **Explicit and consistent syntax (Page#65)**
- ❖ Wrapper code
- ❖ None of the given options

121. Which statement is True about interfaces?

- ❖ An interface can contain only methods, variables, events, and indexers.
- ❖ An interface can contain only variables, properties, events, and indexers.
- ❖ An interface can contain only methods, properties, variables, and indexers.
- ❖ **An interface can contain only methods, properties, events, indexers.**

122. Events can be _____.

- ❖ Specialized
- ❖ Composed
- ❖ Generalized
- ❖ **All of the given options**

123. g++ is a command of _____.

- ❖ Dev C++

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- ❖ **Unix based system**
- ❖ Windows based system
- ❖ None of the given options

124. _____ reads entire document in memory.

- ❖ **Xmldocuments (Page#49)**
- ❖ Xmlreader
- ❖ Both of above
- ❖ None of the given

125. _____ may contain events.

- ❖ Requests
- ❖ Service
- ❖ **Messages (Page#10)**
- ❖ Applications

126. A customer order can be represented as _____.

- ❖ Event
- ❖ Request
- ❖ **Event or Request (Page#10)**
- ❖ All of the given

127. Markup extensions are invoked from _____ with explicit and consistent syntax.

- ❖ C#
- ❖ HTML
- ❖ **XAML (Page#65)**
- ❖ None of the given

128. All the members of interfaces are implicitly _____.

- ❖ Private
- ❖ Static
- ❖ **Public**
- ❖ Abstract

129. A compiled C# file is called _____.

- ❖ Compiled File

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- ❖ Source File
- ❖ **Assembly File**
- ❖ EXE File

130. _____ add declarative information to your programs.

- ❖ **Attributes (Page#41)**
- ❖ Functions
- ❖ Exception
- ❖ Objects

131. Anonymous method is a method without a name.

- ❖ **True (Page#47)**
- ❖ False

132. “out” parameters which are not used for return values or the “params” argument for variable arguments.

- ❖ True
- ❖ **False (Page#20)**

133. _____ types have the notion of referential identity.

- ❖ Value
- ❖ **Reference (Page#14)**
- ❖ Both of above
- ❖ None of the given

134. _____ let any classes behave like an array.

- ❖ Properties
- ❖ Fields
- ❖ **Indexers**
- ❖ Finalizers

135. _____ are algorithms that operate on data.

- ❖ Variables
- ❖ Functions
- ❖ **Methods (Page#37)**
- ❖ Classes

136. _____ is an event that is introduced into an event processing system by an event producer.

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- ❖ Event Producer
- ❖ Event Consumer
- ❖ **Raw Event (Page#11)**
- ❖ Event Stream

137. Events and _____ work hand in hand.

- ❖ Parameters
- ❖ **Delegates (Page#39)**
- ❖ Functions
- ❖ Data Members

138. C# event is a class member that is _____ whenever the event it was designed for occurs (fires).

- ❖ **Activated (Page#38)**
- ❖ Deactivated
- ❖ Transformed
- ❖ Associated

139. _____ is a static class in the System namespace.

- ❖ **Console (Page#15)**
- ❖ Pointer
- ❖ Variable
- ❖ Function

140. Default value of first member is _____.

- ❖ **(Page#44)**
- ❖ 1
- ❖ 2
- ❖ 3

141. _____ are inherited by classes which provide the real implementation.

- ❖ Functions Variables
- ❖ **Interfaces (Page#35)**

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❖ Objects

142. _____ is basically array of arrays.

❖ Stack

❖ Pointer

❖ **Jagged (Page#18)**

❖ Function

143. The initial name for C# was_____.

❖ COAL

❖ COOP

❖ COAP

❖ **COOL (Page#13)**

144. BAML is compressed representation of_____.

❖ CAML:NS

❖ **XAML (Page#69)**

❖ XAML:NS

❖ CAML

145. Extension methods_____access the private data members of the class in which they are extended.

❖ May

❖ **Cannot**

❖ May not

❖ Can

146. Which of the following is/are not derived from “Control” class?

❖ ListBox

❖ StatusBar

❖ Both of above

❖ **None of the given**

147. _____events may or may not relate to an actual occurrence.

❖ Observed Events

❖ Deducted Events

❖ **Probabilistic Events (Page#7)**

❖ None of the above

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148. _____ is an entity that receives events from the system.

- ❖ Event Producer
- ❖ **Event Consumer (Page#11)**
- ❖ Event Channel
- ❖ Event Generator

149. The easiest way to declare an event is to put the event keyword in front of a _____ member.

- ❖ Interface
- ❖ **Delegate**
- ❖ Class
- ❖ Struct

150. _____ keyword is used to declare a base class method while performing overriding of baseclass method.

- ❖ Overload
- ❖ **Virtual**
- ❖ Extend
- ❖ Override

151. Choose the correct option among the following indexers which correctly allows to index in sameway as an array?

- ❖ **A Class**
- ❖ A function
- ❖ An interface
- ❖ A property

152. _____ A class can inherit from _____ class/classes in C#.

- ❖ Three
- ❖ **Single**
- ❖ Two
- ❖ Multiple

153. Which one of the following is not the feature of C#?

- ❖ **Multiple inheritance**
- ❖ Interface supported
- ❖ Locals can not shadow global variables
- ❖ Operator Overloading is allowed

154. Which keyword is used to declare the indexers?

- ❖ super
- ❖ base
- ❖ **this**

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❖ extract

155. The common type system of C# has value types and ____ types.

❖ Class

❖ Object

❖ **Reference**

❖ Enum

156. Select the correct statement about the structure in C#?

❖ **Its syntax is similar to class**

❖ It can implement destructors

❖ It is a reference type

❖ It can implement inheritance

157. Reaction of events are either _ or ____.

❖ Asynchronous, Blocking

❖ Synchronous, Blocking

❖ Blocking, Synchronous

❖ **Synchronous, Asynchronous**

158. is an example of request and response based application

❖ **Web browser**

❖ E-Commerce Site

❖ Pressing a button

❖ Swiping of credit card

159. Which of the following is built from request-response?

❖ Event-based Architecture (EBA)

❖ Service-driven Architecture (SDA)

❖ **Service-oriented Architecture (SOA)**

❖ Event-processing Architecture (EDA)

160. and delegates work hand in hand. (Page-38)

❖ Static member

❖ **Event**

❖ Post-processor

❖ Pre-processor

161. In C#, when a value type is converted to object type, it is called_.

❖ Polymorphism

❖ Abstraction

❖ **Boxing**

❖ Data Conversion

162. Which keyword is used for correct implementation of an interface in C#?

❖ Intf

❖ **Interface**

❖ Int Interface

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- ❖ Interfaces

163. The main method returns a non-zero value which indicates the

- ❖ Exception in program
- ❖ Termination of program
- ❖ **Error in program**
- ❖ Success of program

164. is an occurrence within a particular system or domain.

- ❖ Program
- ❖ Class
- ❖ **Event**
- ❖ Object

165. Select the wrong statement about destructor in C#?

- ❖ **Destructor can have modifiers or parameter**
- ❖ Destructor cannot be inherited or overloaded
- ❖ Destructor works opposite to constructor
- ❖ Class can have one destructor only

166. The main method returns zero value which indicates the

- ❖ **Successful execution of program**
- ❖ Source of program
- ❖ Termination of program
- ❖ Exception in program

167. In C#, which of the following keywords is used for including the namespaces in the program?

- ❖ **using**
- ❖ extend
- ❖ import
- ❖ #

168. When your C# program is compiled, it creates a file called

- ❖ Class
- ❖ EXE
- ❖ Object
- ❖ **Assembly** According to the Instructor

169. Which of the following is an insertion operator in C++?

- ❖ **<<**
- ❖ >
- ❖ - -
- ❖ &

170. C# is a class member that is activated whenever the event . it was designed for. Occurs

- ❖ Attributes
- ❖ Arguments
- ❖ Method

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❖ **Event**

171. A fraud detection event on banking transaction is an example of.

- ❖ Linear event
- ❖ Sequential event
 - Predictive event

❖ **Probabilistic event**

172. In C++, which of the following library is include for 'cin' and 'cout' function?

- ❖ #include<fstream.h>
- ❖ #include<fstream>
- ❖ #include<conio.h>
- ❖ **#include<iostream>**

173. Which of the following doesn't have Graphical User Interface and the Event-DrivenModel?

- ❖ **Console-Application**
- ❖ Web Application
- ❖ Mobile Application
- ❖ Desktop Application

174. A stream in which the events may be of different types is referred to as a **heterogeneous** eventstream.

- ❖ Continuous
- ❖ Homogenous
- ❖ **Heterogeneous**
- ❖ Mutual

175. Defining a method in subclass having same name and type signature as a method in its superclass is known as

- ❖ Method hiding
- ❖ Method Overloading
- ❖ Method Binding
- ❖ **Method Overriding**

176. A single try block must be followed by which of these?

- ❖ Finally
- ❖ Catch
- ❖ **Both Finally and catch**
- ❖ Throw

177. By default the data member of a class are

- ❖ Protected, public
- ❖ Public
- ❖ **Private**
- ❖ Private, Public

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178. Exception are derived from ____ class. (Page-39)

- ❖ Windows error
- ❖ Exception error
- ❖ **System exception**
- ❖ Error Exception

179. Which of the following does NOT include in event processing operations?

- ❖ **Terminating Event**
- ❖ Deleting Event
- ❖ Transforming Event
- ❖ Reading Event

180. What is the return type of destruction?

- ❖ Float
- ❖ **No return type**
- ❖ Void
- ❖ Int

181. At the time an event is fired, the ____ method (with that event) will be invoked.

- ❖ **Public**
- ❖ Protected
- ❖ Registered
- ❖ Private

182. C# is a ____ and .NET is a ____.

- ❖ Platform, Language
- ❖ Package, Language
- ❖ Language, Package
- ❖ **Language, Platform**

183. Which of the following is an entity that introduces event into the system?

- ❖ **Event producer**
- ❖ Event Stream
- ❖ Event Channel
- ❖ Event Consumer

184. Which of the following is an entity that receive event from the system?

- ❖ Event producer
- ❖ **Event Consumer**
- ❖ Raw event
- ❖ Event stream

185. Which of the following is the object-oriented way to handle run time errors?

- ❖ OnError () Method
- ❖ **Exception**
- ❖ Interface
- ❖ Error Code

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186. Why do we use cin get() in C++ program?

- ❖ It is used to print all values of array
- ❖ It is used to get numeric data
- ❖ **It is used to access character array**
- ❖ It is used to take input from user

187. Types not defined in any namespace are said to reside in the __ namespace.

- Static
 - Virtual
 - **C. Global**
- ❖ D. Local

188. Arrays in C# are __ object.

- ❖ Logical
- ❖ Arithmetic
- ❖ **Reference**
- ❖ Value

189. The initial name for C# was __.

- ❖ COAL
- ❖ COOP
- ❖ COAP
- ❖ **COOL**

190. Which of the following is declared like a class but have no implementation?

- ❖ Encapsulation
- ❖ Structure
- ❖ **Interface**
- ❖ Inheritance

191. Which of the following keyword is used to change data and behavior of a base class by replacing a member of the base class with the new derived member.

- ❖ Base
- ❖ Overrides
- ❖ Overloads
- ❖ **New**

192. A stream in which all the events must be of same types is called **Homogenous** eventstream

- ❖ Continuous
- ❖ **Homogenous**
- ❖ Heterogeneous
- ❖ Mutual

193. Select the correct statement about an exception >

- ❖ It occurs during Just-in-time compilation
- ❖ **It occurs at runtime**
- ❖ It occurs during loading of program

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- ❖ It occurs during data binding

194. is not a defense against patents and clean room design?

- ❖ **Independent Invention**
- ❖ Event Invention
- ❖ Dependent Invention
- ❖ Clear room design

195. COOL stands for_____.

- ❖ Class Oriented Object Language
- ❖ Consumer Oriented Object Language
- ❖ **C-like Object Oriented Language**
 - C++-like Oriented Language

196. operator is used to signifies the destructor in C#?

- #
- ❖ B. =
- ❖ C. &
- ❖ **D. ~**

197. What is the return type of destruction?

- ❖ Int
- ❖ Float
- ❖ Void
- ❖ **No return types**

198. An Event that is generated as a result of event processing that take place inside an eventprocessing system is called .

- ❖ Event Stream
- ❖ **Derived Event**
- ❖ Raw Event
- ❖ Event Consumer

199. Choose the incorrect statement about delegates in C#?

- ❖ Delegates are value type
- ❖ Delegates are like function pointers in other language
- ❖ Delegates are object oriented
- ❖ **Delegates are type safe**

200. is the method of copying a design by reverse engineering and then recreating it without infringing any of the copyrights and trade secrets associated with the originaldesign. (Page-12)

- ❖ Clear Room Design
- ❖ Event Room design
- ❖ **Clean Room Design**
- ❖ Wall Room Design

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201. Which of the following statement is TRUE about raw event?

- ❖ It is a subscription mechanism for event
- ❖ It is introduced into an event processing system by an event consumer
- ❖ It is generate as a result of event processing
- ❖ **It is introduced into an event processing system by an event producer**

202. Which symbol is used to declare the preprocessor directives?

- ❖ *
- ❖ **#**
- ❖ \$
- ❖ ^

203. Which of these keyword is used to manually throw an exception in C#?

- ❖ Try
- ❖ Finally
- ❖ Catch
- ❖ **Throw**

204. On successful compilation of a java source code _____ is generated.

- ❖ Output
- ❖ **Bytecode**
- ❖ Hexadecimal code
- ❖ Octal code

205. _____ is the necessary condition to implement delegates.

- ❖ **Class Declaration**
- ❖ Function overloading
- ❖ Inheritance
- ❖ Runtime Polymorphism

206. Select correct statement about properties of read and write in C#

- ❖ **A read only property will only have get accessor**
- ❖ A write only property will only have get accessor
- ❖ A property cannot be either read only or write only
- ❖ A property can simultaneously be read or write only

207. <p> What will be the output of the following C# code? Static void

```
Main{string[] args}
```

```
{
```

```
int i; for (i = 0; ;)
```

```
{
```

```
Console.WriteLine("&quot;Virtual University&quot;);
```

```
}
```

```
Console.ReadLine();
```

```
}
```

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- `<p>||` will print `"Virtual University"`; in continuous loop `</p>`
- **`<p>Syntax error</p>`**
- `<p>Virtual University</p>`
 - D. `=p=` No output `=/p=`

208. Choose the wrong statement about structures in C#.Net.

- ❖ **Structures can have destructors**
- ❖ Structures can implement an interface but they cannot inherit from another structure
- ❖ Structure members cannot be declared as protected
- ❖ A structure cannot be empty

209. Which of the following keyword is used to monitor exceptions?

- ❖ Catch
- ❖ Finally
- ❖ **Try**
- ❖ Throw

210. _____ library is used for dictionary in C#.

- System.Windows.Dictionary
- System.Windows.DictionaryResource
- **System.Windows.ResourceDictionary**
- System.Windows.Resource

211. In WPF, _____ class define an object which has read-only(frozen)state.

- Read-Only
- Freeze
- Frozen
- **Freezable**

212. Which one of the following is the default panel in Visual Studio and expression blend?

- Stack Panel
- Wrap Panel
- **Grid**
- Canvas

213. Which one of the following is the first step in compiling XAML?

Performing the plumbing that connects XAML with procedural code automatically

- Converting XAML into.exe file
- **Converting XAML into a special binaryformat**
- Converting XAML into bytecode

214. Which of the following property will be used to restrict the user to not increase the width of a WPF element from a specific value.

- MinimumWidth
- **MinWidth**

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- WidthMinumum
- DecreaseWidth

215. _____ transform requires an angle in transformation.

- Button transform
- Rotate transform Not SURE
- Element transform
- Scale transform

216. "Viewbox" element uses different types of stretching with the help of stretch property. There is/are _____ possible value(s) of stretch property.

- 4
- 3
- 1
- 2

217. Markup extensions are surrounded by _____

- Curly braces
- Square Brackets
- Parentheses
- Angle Brackets

218. _____ is a timer based change of value.

- Themes
- Template
- Animation
- Styles Not Sure

219. _____ Element is used in XAML to embed the C# code in XAML file.

- X:Code
- X:Content
- X:Name
- X:Button

220. The reason behind why XAML is good for user Interface is because of its _____ nature.

- Class
- Hierarchical OR UI
- Base

221. _____ is used to declare a class into multiple files and all these files are combined into a single class file when the application is compiled.

- Property Element
- Abstract Class
- Inheritance
- Partial Class

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222. Margin defines an extra space _____ while considering edges of the element.

- **Outside**
- Inside
- Between
- Anywhere

223. Which provider has the highest priority while providing a value to a dependency property?

- Style Setters
- Theme Style Setters
- **Default Value**
- Local Value

224. 'FrameworkElement' is the base class that adds support for _____

- Polymorphism
- Inheritance
- Abstract Class
- **Data binding**

225. Type Converter exists for _____ transform.

- Render
- Matrix
- Scale
- **Translate**

226. _____ classes are used to restrict the inheritance in C#.

- **Sealed**
- Property
- Object

227. _____ class provides type conversion to convert a string name into an object reference to the object with that name.

- **NameReferenceConverter**
- NameConverter
- NameObjectConverter

228. Dockpanel.Dock is the _____ in which child element describe its dock position in dock panel.

- Button Property
- Grid Property
- **Attach Property**

229. Type converters in WPF are similar to _____

- Multimedia Integration
- **Markup extensions** Not Sure
- Namespaces

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- Rich compositions

230. Which of the following device is sensitive to pressure?

- Mouse
- Printer
- Stylus
- Keyboard

231. Which will take precedence in sizing if explicit given width and height value of WPF application are not in range?

- Width=-1,height=-1
- Min,max(default values)
- Width=0,height=0

232. Which one is considered to be a keyword with reference to XAML 2006?

- X Name
- X Static
- X Null
- X Array

233. In WPF Grids have _____base indexing for Rows& Columns.

- One
- -1
- Zero
- Two

234. By default there will be _____number of columns if we do not mention any column definition in grids.

- 2
- 3
- 1
- None

235. Translate Transform work on _____axes.

- X,Y
- X,Y,Z
- Y

236. In WPF, if Trigger is _____then its Setter's value will be Set.

- Hidden
- Inactive
- Active

237. Default value if Grid Row is _____

- 0
- 2
- 1

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• 3

238. Superset of Canvas is _____

- Stack Panel
- Dock Panel
- Wrap Panel
- Grid

239. _____ function will be register a Dependency property in WPF.

- DependencyProperty.Registration()
- DependencyProperty.Registered()
- DependencyProperty.Reg()
- DependencyProperty.Register()

240. Equivalent norms on a vector space 'X' defines _____ topology for X.

- Coarser
- None of these
- Same Not Sure
- Finer

241. Dock panel is a _____ of stack panel.

- Intersection
- Superset
- Union
- Subset

242. All classes of Windows Presentation foundation are derived form _____ class.

- Object
- Element
- XAML
- Abstract

243. Dock Panel is used in _____ interface.

- Right level
- Bottom level
- Top level
- Left level

244. In XAML namespace other than the default one is denoted by _____

- Xmlns(x)
- Xlmns/x
- Xlmns.x
- Xlmns:x

245. In WPF, if there is any name property than that property is also be taken as a substitute of _____

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- X:static
- X:reference
- X:binding
- X:name

246. In XAML 2006, X:Classmodifier by default access level is _____

- Public
- Internal
- Private
- Protected

247. _____ sequence is not allowed within a CDATA section.

- {}
- ||
- <>
- ()

248. If we want to place a component at top in “dockpanel” then which one is correct syntax?

- DockPanel.Dock=”top”
- Dock=”Top”
- PanelDock=”Top”
- DockPanel=”Top”

249. In WPF, the default value of Horizontal/Alignment properties of child Element is _____

- Right
- Center
- Stretch
- Left

250. Which property is used to change the Z order of elements in WPF?

- ZPanel
- Zvalue
- ZIndex
- Z-coordinates

251. 1/96 pixel are equal to ___ inch(es) in DPI display setting.

- 3
- 2
- 4
- 1

252. In WPF, _____ control will allow to you visually group a set of control together.

- GroupBox
- Group

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- Box_Group
 - Boxed_group
- 253. In WPF, _____ function registers an attached property with the property system.**
- Register_Attached(String,Type,Type,PropertyMetadata,ValidateValueCallback)
 - RegisterAttached(String,Type,Type,PropertyMetadata,ValidateValueCallback)
 - Reg_Attached(String,Type,Type,PropertyMetadata,ValidateValueCallback)
 - None
- 254. In grid, elements are arranged in multicolumn and multirow like a _____ in HTML.**
- Column
 - Paragraph
 - List
 - Table
- 255. In XAML, tag declaration is equivalent to C#'s _____**
- Object declaration
 - Object Validation
 - Variable declaration
 - Object instantiation
- 256. Mapping to the WPF namespaces is _____ inside the WPF assemblies.**
- Dynamically specified
 - Hard-coded
 - Statically declared
 - Specified at compile time
- 257. _____ convert from a string in XAML markup into particular objects/data types in an object graph.**
- Rich composition
 - Resolution Independence
 - Type converters
 - Data binding
- 258. In WPF, if we try to add listbox item in listbox object which is already null, it will give us _____**
- Runtime exception
 - Syntax Error
 - Compile time error
 - Logical error
- 259. In WPF, Subtags don't add as a(n) _____**
- List
 - Array
 - Designated Attribute

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- Dictionary

260. Tag of namespace in XAML is just a _____

- Float
- **Property**
- Integer
- String

261. Is SharedSizeScope share size information in _____ grid(s).

- **Multiple**
- Single
- Both 1&2
- Double

262. How can you specify null property in markup extension?

- :null:
- **{x:null}**
- (null)
- [x:null]

263. _____ property value is used to set width and height of element in WPF according to its content.

- Tree
- Nan
- **X:class**
- Name

264. In WPF, _____ library is used for scrolling.

- **Systems.Windows.Controls.ScrollViewer**
- Systems.Windows.Controls.Scroll
- Systems.Windows.Controls.Viewer
- Systems.Media.ScrollViewer

265. When element in XAML overlaps in that scenario which technique is used to decide which element should come at the top of other element?

- Scaling
- Alignment
- Rotate
- **Z Order**

266. Which one of the following is the built-in transform function in WPF?

- Left Move
- Query transform
- Top transform
- **Matrix transform**

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267. In WPF, _____ use(s) the method to add additional data with the sealed class object.

- Class
- Tree Structure
- Xmlns
- **Dependency Properties**

268. Grid act as a stack panel if it has _____

- **1 row and autosize column**
- 1 row and autosize rows
- Multiple rows and single column
- Single row & multiple column

269. In context of XML child element rules, if the child is plain text and a type converter existsto transform the child into the parent type (and no properties are set on the parent element), treat the child as input to the type converter and use the output as the

_____.

- Child Object instance
- **Parent object instance**
- Interface object instance
- None of these

270. The root object in XAML must specify a least ___XML namespace(s) that is/are used toqualify itself and any child elements (Page-62)

- **One**
- Two
- Three
- None

271. _____ library is used to import the dependency poperties in WPF project (Page-74)

- System.Windows.Property.Dependency
- System.Windows.Dependancy
- System.Windows.Dependancy.Property
- **System.Windows.DependancyProperty**

272. A _____ transforms elements before they are laid out by the parent panel.

- Skew transform
- Render transform
- **Layout transform**
- Matrix transform

273. Defining any type of controls as a content of another control is _____

- Vector based rendering
- **Rich Composition**
- Data Bining
- Resolution dependency

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274. The goal of WPF and XAML is used to keep separate the user interface design and ____

- Tools
- Content
- Element tree
- **Implementation**

275. When elements in XAML overlaps, in that scenario which technique is used to decide which element should come at the top of other element?

- **Z order**
- Rotate
- Scaling
- Alignment

276. Visual Studio has a snippet called _ that automatically expands into a definition of a dependency property, which makes defining one much faster than doing all the typing yourself. (Page-74)

- Property Extension
- **Propdp**
- Dependency property
- Dpprop

277. CAML stands for .

- **Compiled Application Markup language**
- Composite Application Markup language
- Compiled Application Matrix language
- Centralized Application Markup language

278. _____ is the callback which can be registered with property that can change the value of property.

- Bubbling
- Element Property
- Tunneling
- **Coerce**

279. _____ library is used for Transforms in C#? (Page-82)

- System.Control.Transform
- System.Windows.Transform
- **System.Windows.Media.Transform**
- System.Windows.Controls.Transform

280. In WPF, Translate transform has _____ default value for X and Y? (Page-84)

- **0**
- 3
- 2
- 1

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281. DependencyProperty.Register is the __type of method of dependency property.

- Abstract
- Element
- **Static**
- Class

282. In XML, CDATA Section looks like

- <[CDATA[...]]>
- <![CDATA[...]]>
- **<![CDATA[...]]>**
- **![CDATA[...]]>**

283. Default Value of Grid.Row is

- 1
- 3
- 2
- **0**

284. ____ is a base class similar to UIElement but for document-related pieces of content that don't have rendering behavior on their own.

- VisualElement
- SystemElement
- **ContentElement**
- XAMLElement

285. In WPF, _____ function adds another type as an owner of a dependency property that has already been registered to a type.

- Owner(Type.propertyMetadata)
- Add_Owner (Type.Property Metadata)
- **AddOwner(Type.PropertyMetadata)**
- Owner_Add(Type.Property Metadata)

286. xmlns namespace must be declare once in a XAML file at _____ element. (Page-67)

- Form
- Middle
- **Root**
- Child

287. Which type of panel is used when we have to customize the builtin controls in wpf?

- Wrap
- Grid
- Primitive
- **Stack**

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288. If we want to rotate an object clockwise about a specified point in a 2-D x-y coordinate system then which transform class will be used? (Page 87)

- **Rotate Transform**
- Translate Transform
- Skew Transform
- Scale Transform

289. A ___ enables to extend XAML and set any property that can be set in XAML using attributessyntax.

• **Markup extension**

- Reduction independence
- Data binding
- Rich composition

290. In WPF, Subtags don't add as a(n) ___

- **Designated attribute**
- List
- Dictionary
- Array

291. ___ key will provide a label access in WPF

- **Alt**
- CTRL
- Ctrl+alt
- Shift

292. Which one of the following is the first step in compiling XAML?

- Converting XAML to byte code
- Performing the plumbing that connects XAML with procedural code automatically
- **Converting a XAML file into a special binary format**
- Converting XAML into .exe file

293. "Viewbox" element uses different types of stretching with the help of stretch property .There is/are _____ possible value(s) of stretch property

- 2
- 1
- 3
- **4**

294. Singleton method has ___ instance

- 4
- 3
- 2
- **1**

295. Suppose the property of x coordinate at the button timely changes in such a way that after every 100 second value of x coordinate increments by 1, then this case refers to

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- Transformation
- Property element
- Tunneling
- **Animation**

296. __refers to the space between an element and the content inside it.

- Tunneling
- Margin
- Pading
- **Style**

