



CS508-Modern
Programming Language
(Solved Macq's)
LECTURE FROM
(23 to 45)



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- Which of the following conversion has to be done explicitly by the programmer in C#?
 - **Float to int**
 - Into to Float
 - Int to long
 - Float of double
- The dynamically generate a web page which of the following programming language is most suitable?
 - Ada
 - **PHP**
 - C++
 - Prolog
- In C#, which of the following is used to give information to .Net compiler that a class is compliant with common language Specification (CLS)?
 - Class variables
 - **Class attributes**
 - Class definition
 - Class function
- C# does not support the conversion of _____ values to integers.
 - Boolean
 - Character
 - **Floating point**
 - Decimal
- Classes and objects of PHP are similar to _____
 - Classes and objects of Basic
 - Classes and Objects of C
 - **Classes and Objects of JAVA**
 - Classes and Objects of C++
- Which of the following language is used for server-side scripting?
 - C#
 - ADDA
 - **PHP**
 - C++
- Which of the given operator is used to return to reference from a function in PHP?
 - &&
 - \$
 - Dot
 - **&**
- A variable in _____ cannot be used unless and until it is not initialized.
 - ALGOL
 - C
 - C++
 - **C#**
- In order to pass a value by reference to a method in C#, which of the following keyword is used with method parameter.
 - Refer
 - New

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➤ Ref

- Explicit

10. The code written in PHP is returned to the web browser as:

- CSS flexbox
- Shell Scripts
- Applets

➤ Plain HTML

11. “With” statement in JavaScript is an alternative of _____

- Multiple document.write statements
- Single document.write statements
- Multiple document.read statements
- Single document.read statements

12. C# support only _____ inheritance and it achieve _____ inheritance through the concept of interfaces.

- Multiple,multiple
- Single,Multiple
- None of the given
- Single, Single

13. In the context of C#, which of the following is not true about delegates?

- Delegates are value type
- Delegates are event based
- Delegates are like C/C++ function pointer
- Delegates are reference type

14. FORTRAN, PL 1 and BASIC language provide ----- of variables.

- Explicit declaration
- Implicit declaration
- Either implicit and explicit declaration
- None of the given

15. Which of the given statement is true if “\$a” is not equal to “\$b” in PHP?

- \$a!= \$
- \$a! ==\$b
- \$a! =\$
- \$a==! \$

16. The loop control expression in any loop of C# must be of _____ type.

- Integer
- Boolean
- Decimal
- Float

17. The _____ operator in C# is used to test if the operator/expression is of a certain type.

- ‘IN’
- ‘IS’
- ‘AS’
- ‘OUT’

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18. A script written in PHP are executed by:

- Web browser
- Client machine
- Java Applets
- **Web Server**

19. In PHP 'Switch' structure the _____ starts or implements on implicit loop.

- Return statement
- Continue Statement
- **Break Statement**
- For Loop

20. PHP stand for

- PHP, Home Page
- PHP, Hypertext page
- **PHP, Hypertext Preprocessor**
- PHP, Home Preprocessor

21. Which of the Following type of number are not supported by PHP

- Real Number
- Complex Number
- Single Integers
- **Unsigned Integer**

22. The division of two integers (i.e 7/2) in PHP generates a/an.

- **Floating Point number**
- Integer
- Exception
- Runtime error

23. Arrays in JavaScript are _____ based

- **Zero index**
- Length
- Location
- One index

24. The _____ model in JavaScript provides access to the contents of the browser windows.

- COM
- **DOM**
- BOM
- ROM

25. An _____ in PHP is an ordered map.

- Queue
- **Array**
- Stack
- String

26. In the context of C#, a class that is defined on the body of another class is called.

- Protected class
- Previous Class
- Public Class
- **Nested Class**

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27. If you want to override a method in C# then the override method must not be declared as.

- Override
- **Static**
- Abstract
- Virtual

28. In JavaScript, which of the given provides access to context of browser window.

- **DOM**
- ROM
- COM
- BOM

29. Which of the given is used before the declaration of variable in PHP?

- # Sign
- ? Sign
- **\$ Sign**
- @ Sign

30. In how many Places a JavaScript code can be placed.

- **3**
- 2
- 4
- 5

31. The “OUT” keyword in C# used to pass _____ variable by reference to a method.

- Numeric
- Static
- String
- **Un-initialized**

32. In _____ string and Numeric values are inter convertible.

- **C#**
- JAVA
- c/C++
- PHP

33. A/An _____ in a default mechanism for Specifying Types of variables.

- Static Declaration
- Run Time Declaration
- Explicit Declaration
- **Implicit Declaration**

34. In PHP, if a number is beyond the Bounds of the integer types, then It will be interpreted as a _____ instead.

- Long
- **Float**
- Short
- String

35. If X and Y are integer variables and Z is a Boolean variable then which of the Following Statement cause compilation error in C#?

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```
➤ If(x=y)
{
    //Some Code
}
➤ If(x>y)
{
    //Some Code
}
➤ If(y>x)
{
    //Some Code
}
➤ If(z)
{
    //Some Code
}
```

36. A/an _____ is a special word that cannot be used as a user defined name.

- Reserved Word
- Flag Word
- Dummy Word
- Abstract word

37. _____ an object that describes the basic characteristics of the browser, notably its type and version.

- Navigator
- Location
- Document
- Window

38. Array in PHP are not like C/C++ arrays but they are _____

- Templates
- Structure
- Maps
- Record

39. Which of the Following Class in C# cannot be inherited from.

- Inherit class
- Abstract Class
- Public class
- Sealed Class

40. In the content of C#, a class that is defined the body of another class is called.

- Protected Class
- Nested Class
- Private Class

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➤ Public Class

41. In JavaScript navigator is a _____ objects.

- User defined
- Built-in
- **Browser**
- Document

42. Object-Oriented programming in C# is supported through.

- **Classes**
- Functions
- Control flow Statements
- Packages

43. Which operator is used for Concatenation in JavaScript?

- **+**
- Dot(.)
- |
- \$

44. When the Type is Fixed before run time then this is called as _____

- Dynamic Binding
- **Static Binding**
- Load Time Binding
- Storage Binding

45. For event driven mechanism in C#, we use _____ just like _____ in C++.

- **Delegate,Function pointer**
- Templates,Delegate
- Event handlers,packages
- Events Buttons,Packages
- EventnButtons, Graphics Code

46. In C#, the order of operator evaluation is:

- **From Left to right**
- From Right to Left
- Arbitrary
- Not specified

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1) One difference LISP and PROLOG is

- AI
- **Puzzle**
- Game
- All of the given

2) Variable of _____ is not an object of java

- Primitive
- Reference
- **Integer type**
- Both reference and Primitive

3) In _____ every class in Java is part is overloaded

- C++
- **Java**
- C#
- C# and java

4) C# and C++ have _____ size.

- Same
- Different
- **Distinct**
- None of the given

5) _____ compile into machine independent language, independent code which run in a managed execution environment.

- **C#**
- C++
- Java
- Ada

6) _____ compile initially to an intermediate. Which can be run by interpretation or just in time compilation or an appropriate virtual machine?

- C++ and C#
- **C# and Java**
- Java and C++
- Ada and C++

7) How many modes for the source code are in C#?

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➤ One

➤ **Two**

➤ Three

➤ Four

8) Which chaining type is used by Prolog?

➤ **Backward**

➤ Forward

➤ Horizontal

➤ Up

9) In C# Managed code is executed under the control of

➤ **CRL**

➤ CLR

➤ Both

➤ None

10) PHP syntax looks like _____

➤ ASP syntax

➤ **C/C++**

➤ Both

➤ None

11) In Java we can make pointer of _____.

➤ Any type

➤ **Reference type only**

➤ Both of the above options

➤ None of the given

12) Java has a String class which is not exactly an array of

➤ **Char**

➤ Elements

➤ Indices

➤ Long

13) How many string operators are in PHP?

➤ **2**

➤ 3

➤ 4

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➤ 10

14) C# code when compiled is converted into _____ code.

- MISL
- **MSIL**
- MSL
- None

15) in C# _____ can be inherited from other class but no inheritance from it. On the other hand _____ cannot be inherited not inheritance is possible from it is possible

- Private class , public class
- Sealed class ,struct in C#
- **struct in C# , Sealed class**
- public class , inherited class

16) The IS operator in C# is used for _____

- Run time type conversion
- **Run time type checking**
- Run time type casting

17) PHP is a _____ typed language.

- Strongly
- Dynamic
- Static
- **None of Given**

18) Anything starting with Capital or underscore is a variable

in _____ ➤ **Prolog,**

- Lisp,
- COBOL
- None of the given

19) In C# the if statement condition is an/a _____

- Arithmetic expression
- **Boolean expression**
- Numeric expression
- Both Numeric expression and Boolean expression

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20) In C# the value type and reference type variable are interconvertible through _____ concept.

- Tagged type
- **Boxing**
- interfaces
- None of the given

21) C# support only _____ inheritance and it achieve _____ inheritance through the concept of interfaces.

- Multiple, multiple
- **Single, multiple**
- Single, single
- None of the given

22) Dynamic binding occurs at _____

- Compile Time
- Design Time
- Link Time
- **Run Time**

23) Prolog language falls under the domain of:

- **Scientific Applications**
- Business Applications
- Special Purpose Languages
- None of these

24) First language that provided the concept of Pointer data type was _____.

- COBOL
- LISP
- **PL/1**
- JAVA

25) Variable use in VB without declaring decrease reliability and increase _____

- **Writeable**
- Cost
- Compile time

26) Dot operator in a _____ SNOBOL?

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➤ Reference pointer

➤ Unary pointer

➤ Class pointer

➤ Binary pointer

27) The GOTO statement in SNOBOL is _____

➤ Explicit

➤ Implementation

➤ Punter method

➤ An Indirect Reference

28) Ada has _____do while loop just like C++.

➤ Also

➤ NO

➤ Defective

➤ None of the above

29) The last value execution in the _____ LISP is the return value

➤ Atom

➤ Object

➤ Class

➤ Function

30) Dotimes loop of LIPS similar working to ada:

➤ For

➤ Switch loop

➤ Do while

➤ While

31) Indexes of arrays in Ada do not start from

➤ 0

➤ 1

➤ 2

➤ 3

32) The keyword unsafe is used while dealing with _____

➤ Loop

➤ Arrays

➤ Pointers

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➤ Classes

33) Java code when compiled is converted into _____ code.

- Bit code
- **Byte code**
- Kbytes code
- Giga byte Code

34) Ada pointers are called Access types.

➤ **True**

➤ False

35) The dangling pointer problem is partially alleviated by Ada design

- True
- **False**

36) Following statement returns the union of the two list in LISP.

- >(L1 UNION L2)
- **>(union L1 L2)**
- >Union L1
- >(L1 union L2)

37) In LISP, _____ is the main tool used for iteration

- **Recursion**
- For Loop
- While Loop
- Do-While Loop

38) In LISP, following statement returns the difference of the two lists.

- (Difference L1 L2)
- **(set-difference L1 L2)**
- (L1 Difference L2)
- (L1 difference L2)

39) Lists can be constructed with the help of three basic functions which are _____.

- cons, append and scheme
- **cons, list and append**
- list, atoms and append

40) SNOBOL was designed for _____ purpose.

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- String manipulation
 - AI
 - Business
 - Scientific
- 41) Computer architecture has a major influence on the design of programming language. ➤ True
- False
- 42) COBOL is mainly designed for _____.
- Scientific experiments
 - Business application
 - AI applications
 - Publishing and writing algorithm
- 43) In SONOBAL binary operators have at least _____ spaces
- 1
 - 2
 - 3
 - 4
- 44) In SONOBOL can the size of the array be determined at run time.
- Yes
 - No
- 45) _____ is an important feature of Ada language used in embedded systems and operating systems. It is used in managing parallel threads of controls.
- Controls
 - Tasking
 - Classes
 - Arrays
- 46) First electronic computer was _____.
- ENIAC
 - Babbage analytical engine
 - Intel 386
 - IBM x86
- 47) It is always better to find out the mistakes in the code at _____.

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- Runtime
- **Compile time**
- Link time
- None of given option

48) Too much Orthogonality reduces Readability.

- **Yes**
- No

49) COBOL was the first language that brings the concept of _____

- **Records**
- Structure
- Object
- Variable

50) SONOBOL is case _____

- Sensitive
- **In-sensitive**
- Super sensitive
- Not sensitive

51) The space operator has _____ precedence than arithmetic operators.

- **Lower**
- Higher and Lower
- Higher
- None of the give

52) A language evaluation criteria includes following factors EXCEPT:

- Readability
- Writabilty
- Portability
- **Modularity**

53) The variable name has profound effect on _____.

- Readability
- Writability
- Orthogonality
- **Portability**

54) SIZE function in SONOBOL language is used to return the

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size of _____ > String

- Operator
- Variable
- Keyword

55) Indirect referencing in SONOBOL is same as of _____ in C.

- Arrays
- Pointers
- Aliasing
- Stack

56) Following factors influences a portable language design EXCEPT:

- Computer architecture
- Readability
- Programmer's time
- Windows XP

57) + Sign is used for _____ in SONOBOL.

- Line Continuation
- Line Break
- Line Configuration
- Line Alignment

58) _____ was the first object oriented language.

- COBOL
- LISP
- JAVA
- SIMULA

59) In C# struct are used as _____

- pointer
- array
- parameters
- class

60) JavaScript _____ from java language

- related
- un-related
- derived

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➤ none of the given

61) In Prolog we specify _____ and not _____.

➤ **Solution, problem**

➤ Solution, code

➤ Problem, solution

➤ None of the above

62) A _____ is a default mechanism for specify types of variable?

➤ **implicit**

➤ explicit

➤ Both of the above options

➤ None of the given

63) A _____ is a special word that cannot be used as a user-defined name

➤ Keyword

➤ **Reserved word**

➤ Both of the above options

➤ None of the given

64) We use _____ in Ada.

➤ **tagged type**

➤ int type

➤ float type

➤ none of the given

65) Control structure is a _____ (/jump..:). statement

➤ CONTINUE

➤ **GOTO**

➤ SWITCH

➤ None of the given

66) _____ is place holder value that is not required.

➤ **anonymous**

➤ prolog

➤ both of the above options

➤ none of the given

67) LISP used in _____ and _____.

➤ **functional paradigm, AI**

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- AI, functional paradigm
- Multi-paradigm, AI
- PROLOG Paradigm, AI

68) We use _____ indirect referencing operator in SNOBOL

- Binary
- Binary \$
- Unary
- **Unary \$**

69) Elementary types are also called _____ in ADA

- Static
- **user defines**
- built-in
- Discrete

70) ADA is a _____ typed language

- **partially strongly**
- complex
- easy
- none of the given

71) _____ has elaborated exception handling

- **Ada**
- C++
- JAVA
- COBOL

72) _____ has a powerful set of operators but poor type checking

- **C**
- C++
- ADA
- LISP

73) _____ and _____ have declaration paradigm

- **Prolog, SQL**
- SQL, Prolog
- Lisp, SQL
- SQL, Lisp

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74) 1st machine independent language is _____

- ALGOL
- COBOL
- ADA
- PASCAL

75) In C# Managed code is executed under the control of

- CLR
- CRL
- Both of the above options
- None of the given

76) The depth at which we can think is influenced by _____

- implementation details
- significance of implementation
- implemented recursion
- none of the above

77) Readability has no influence on the cost of _____

- testing
- deployment
- debugging
- coding

78) _____ has distributed computing architecture

- PASCAL
- LISP
- C
- CORBA

79) Language with wide domain of application has higher _____

- Portability
- Generality
- Reliability
- Cost

80) In Java we can make pointer of _____.

- Any type
- Reference type only

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81) The concept of C# jagged array is similar in function to

- C++ rectangular Array
- Java Array of Array

82) In _____ Boolean expression is convertible into integer type

- C#
- C++
- JAVA
- Ada

83) _____ compile initially to an intermediate. Which can be run by interpretation or just in time compilation or an appropriate virtual machine?

- C++ and C#
- C# and Java

84) For narrowing conversion which type conversion is appropriate?

- Implicit Conversion
- Explicit Conversion

85) For narrowing conversion which type conversion is appropriate?

- Implicit Conversion
- Explicit Conversion
- Both of the above options
- None of the given

86) C# and C++ have _____ size.

- Same
- Different
- Distinct
- None of the given

87) C# code when compiled is converted into _____ code.

- MSIL
- MISL

88) The concept of sealed class in C# is similar to _____

- Struct in C#
- Struct in C++
- Abstract class in C#

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- None of the given

89) Dynamic binding occurs at:

- Compile Time
- Design Time
- Link Time
- **Run Time**

90) Prolog language falls under the domain Of

- **Scientific Applications**
- Business Applications
- Special Purpose Languages
- None of these

91) For Recursion it is necessary that a language

- **Dynamic**
- Static
- Both dynamic and static
- Stack

92) Two important versions of LISP are _____

- Scheme and Atoms
- **Scheme and Common Lisp**
- Common Lisp and defacto
- List and Common Lisp

93) COBOL was the first language that brings the concept of _____

- **Records**
- Structure
- Object
- Variable

94) Ada pointers are called Access types.

- **True**
- False

95) SIZE function in SONOBOL language is used to **return** the size of _____

- **String**
- Operator

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➤ Variable

96) A language is reliable if it does not create----- during execution.

➤ Error

➤ Result

97) C++ support only ----- mode operator passing

➤ In/out

➤ union

98) Concept of package in java is similar to -----

➤ C++

➤ C++ and c#

99) has also non-rectangular type of array

➤ C

➤ Java

C

C and C++

121. The syntax of PHP foreach loop is similar to----- loop.

- C++ foreach
- C# foreach
- Java foreach
- C++ for

122. With programming in-----we state what and not how.

• Prolog. P#92

• Algol

• C#

• Fortran

123. When the type is fixed before run time then this is called as-----

- Load time binding
- Static binding

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- Dynamic binding
- None of the given

124. A programming language is ----- typed if type error are ----- detected.

- Weakly, Always
- Always, weakly
- Strongly, often
- Strongly, always. P#171

125. All objects in java are -----

- Explicit heap dynamic
- Dynamic storage binding
- Stack dynamic storage binding
- Static storage binding

126 ----- usually a logical grouping of heterogeneous elements.

- Array is
- Record is. P#176
- Structure is
- Both Structure and Record are

127. In java the arithmetic expression evaluation order is always from -----

- Center to right
- Right to Left
- Center to left
- Left to right

128. A control structure is a ----- and the statement whose execution it controls.

Control algorithm

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- Control statement. P#185
- Control keyword
- None of the given

129. In ----- control statements were based directly on IBM 704 hardware.

- Ada
- FORTRAN I p#185
- FORTRAN 77
- IBM Assembly language

130. We cannot pass array in----- by value as it has no fix size. But it has fixed size in structure. C#

- Java
- C++
- C

131-----is a language for symbolic computation and its syntax is based on lambda calculus.

- ALGOL
- MATLAB
- C
- LISP p# 27

132. Ada is a ----- typed language.

- Weakly
- Random
- Strongly. P#48
- List

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133. The integrity of types is checked from all together in -----

- SNOBOL
- ALGOL
- Plankal Koll
- **Ada**

134. A language is reliable if during execution it does not create -----

- Result
- **Error**
- Bytecode
- Malfunction

135 is not a valid Prolog atom.

- This _ is _ it
- Mary, _c1
- **'Hello'**
- F

136 generates readable code which is easy to maintain.

- Clauses
- **Backtracking. P#97**
- Inference mechanism
- Facts

137. In C#, value type objects use memory of----- data structure.

- List
- Tree
- Stack
- **Heap**

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138 ----- is an 8-byte integer.

- Short
- Long
- Byte
- Char

139. Simple data structure and large floating point operations are linked to -----

- Artificial intelligence language domain
- Parallel programming domain
- Scientific application programming domain
- System programming domain

140. Each source file in----- has a public class.

- C++
- C#
- Java p#98
- None of the given

141. There is no automatic type conversion in -----

- C
- Both java and C++
- Java
- C++

142. Every class in java is part of some -----

- Subclass
- Method
- Package p#107
- Object

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143. Automatic garbage collection in java prevents -----

- Multithreading
- Exception handling
- Indirect referencing
- **Dangling pointer p#117**

144. Value types in C# are inherited from -----

- Java primitive type
- **Object**
- Reference
- None of the given

146. PHP supported all major Databases including -----

- None of the given
- ODBC
- **ORACLE**
- SQL Server

147. In-----the Break statement may have the optional parameter or argument.

- C/C++
- Java
- PHP
- **Java Script**

148. Classes and objects of PHP are similar to -----

- Classes and objects of C++
- **Classes and objects of java**
- Classes and objects of C

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- Classes and objects of Basic

149-----operator in Prolog is used for List construction and also for List dismantling.

- |(Vertical Slash). P#90
- !(Sign of exclamation)
- : (Colon)
- None of the given

150. In JavaScript ----- operator is used for concatenation.

- Dot(.)
- Plus(+). P#152
- |
- ^

151. The resultant value of variable 'x' in JavaScript statement var x = "5"- "2"; will be -----

- 5-2
- 52
- "5"- "2"
- 3

152. The----- model in JavaScript provides access to the contents of the browser window.

- DOM. P#155
- BOM
- ROM

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- COM

153. In ----- we may specify the range and precision for floating point numbers. C#

- C/C++
- Ada
- Both Ada and C#

154 ----- parameters are declared inside a subprogram.

- Default
- Actual
- Formal
- Copy

155. eq or equal operator in LISP is used to compare two -----

- Atom symbols
- List symbols
- Non numeric symbols
- Numeric symbols

157. Object in JavaScript can be accessed through -----

- Associated array
- Reference pointer method
- Reference type
- Both reference pointer method and reference type

158. Shortcut evaluation is not allowed for -----

- Boolean operators
- Relational operators
- Bitwise operators

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- Both boolean and relational operators

159. Which one of the following languages is designed for distributed computing architecture?

- CORBA

- FORTRAN

- ADA

- LISP

160. In Ada elementary types are also termed as -----

- User defined types

- Static types

- Built in types

- Public types

161. Study of programming languages helps in increasing the-----to express programming concepts.

- Capacity. P#5

- Level

- Volume

- Range

162 ----- is the designer of C++ language.

- Bjarne Stroustrup p#15

- James Goslings

- Mike Sheridan

- Patrick Naughton

163. Set membership in Prolog is different from----- membership.

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- List
- Symbol
- Join
- None of the given

164 -----support array with built in bounds checking.

- Java
- C++
- C#
- Both java and C# p#118

165. FORTRAN, PL 1 and BASIC language provide -----

- Explicit declaration
- Implicit declaration
- Either implicit and explicit declaration
- None of the given

166. There is no arithmetic expression precedence rule in -----

- PASCAL
- Small talk
- SIMULA
- C/C++

167. C/C++ has both pre-test and post-test version of -----

- Counter controlled loop
- Logically controlled loop
- For loop
- While loop. P#192

168. C++ support only -----mode parameter passing.

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- OUT
- IN
- Union
- **IN/OUT**

169. java has eliminated the concept of -----

- Classes
- Variables
- **Struck. P#31**
- Arrays

170. In java Explicit conversions are done through -----

- Referencing
- Aliasing
- **Casting. P#104**
- Operator overloaded

171. Prolog database is based upon -----

- Facts
- Facts and queries
- Rules and queries
- **Facts and rules. P#82**

172. A predicate many have ----- or more arguments.

- Three
- **Zero. P#88**
- One
- Two

173 ----- is used as a place holder for a value that is not required.

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- Variable
- Atom
- Constant
- Anonymous variable. P#89

174. In C#, if you don't use new keyword, you must----- all the values in the struct by hand before you use it.

- Define
- Declare
- Create
- Initialize. P#135

175. Which statement best suited for C programming language?

- String manipulation language
- First language to provide exception handling
- With powerful set of operators but poor type checking p#30
- Introduce the notion of class

176. Which statement is true about SNOBOL?

- Its developers are computer expert
- ITE developers have limited introduction with computer science. P#46
- Is an example of aspect programming languages
- Have many data type

177. In SNOBOL, for entire assignment we use ----- operator in pattern matching statement. \$(dollar)

- (.)Dot
- Unary \$(Dollar)
- Binary space. P#36

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178. Disjunction in Prolog is through ----- and conjunction is through -----

- Coma (,), OR
- OR, coma(,)
- OR, Dot(.)
- Dot(.), OR

179. In ----- we can make a pointer variable of value type only.

- C++
- C#
- Java
- Both Java and C#

180 -----exception handling has a finally () block.

- Java
- C++
- C
- Plankal kul

181. Which of the following statement is True if \$a is not identical to \$b in php?

- \$a!=\$b. P#143
- \$a!=\$
- \$a=!\$
- \$a=!\$

182 -----is the magical thing in Prolog.

- Program partition
- Inference engine

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- List processing
- None of the given

183. In JavaScript navigator is----- object.

- Built-in
- **Browser. P#155**
- Document
- User defined

184. The concept of package in java is similar to -----

- Global class in C++
- Assembly in C#
- Global class in C#
- **Global Class in both C++ and C# p#130**

185. Array in PHP are not like C/C++ array but they are -----

- Templates
- Records
- **Maps**
- Both Templates and Records

186. “with” statement in JavaScript is an alternative of -----

- While statement
- Union statement
- Single document.write statements
- **Multiple document.write statements. P#161**

187. Sub ranges of integer types are not compatible with -----

- **Integers types**

188. Arrays in JavaScript are ----- based.

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- 0

189. Unlike C/C++, arrays in PHP are_____.

- Maps
- Templates
- Records
- Both Templates and Records

190. Enumeration type in C# may take any type of_____ in contrast to C++ where it take only _____.

- Numeric value, integer value
- Value type value, numeric value
- Primitive type value, reference type value
- Value type value, reference type value

191. PHP syntax looks like_____.

- ASP syntax
- C/C++ syntax
- Ada syntax
- Both ASP and Ada

192. How many <script> tags can be used in the <head> element?

- Zero
- One
- Two
- Many

193. C# code when compiled is converted into_____code.

- MSIL

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- Bytecode
- machine native code

194. In C#, strings are _____.

- Non-Immutable
- **Immutable**
- Neither Immutable nor Non-Immutable
- Aliasable

196. In _____ the relationship between a get and set method is inherited, while in _____ it has to be maintained.

- Java, C++
- C++, C#
- Ada, Java
- **C#, Java or C++**

197. In _____ we can make a pointer variable of value Type only.

- C++
- **C#**
- Java
- Both java and C++

198. In JavaScript, which of the given provides access to the contents of browser window?

- **DOM**
- BOM
- ROM
- COM

199. A variable in _____ cannot be used unless and until it is not initialized.

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- C++
- C#
- ALGOL
- C

200. In how many places a javascript code can be placed?

- 1
- 2
- 3
- 4

201. Which operator is used for concatenation in JavaScript?

- +
- |
- \$
- dot(.)

202. Classes and objects of PHP are similar to _____.

- Classes and objects of Java
- Classes and objects of C++
- Classes and objects of Basic
- Classes and objects of C

203. Which of the following is not true about delegates?

- Delegates are value type
- Delegates are event based
- Delegates are like C/C++ function pointer
- Delegates are reference type

204. Which of the given statement is True if "\$a" is not identical to "\$b" in php?

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- \$a =! \$
- \$a !=\$
- \$a !== \$b
- \$a ==! \$

205. Which of the given operator is used to return a reference from a function in PHP?

- &
- &&
- \$
- Dot

206. Managed or safe code in _____ is executed under the control of common language runtime (CLR) with automatic garbage collection, no explicit memory allocation and de allocation and no explicit destructor.

- C++
- Java
- Ada and C++
- C#

207. In C# the value type and reference type variable are inter convertible through _____ concept.

- Tagged type
- Interfaces
- Boxing
- None of the given

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210. In ___ Boolean expression is convertible into integer type.

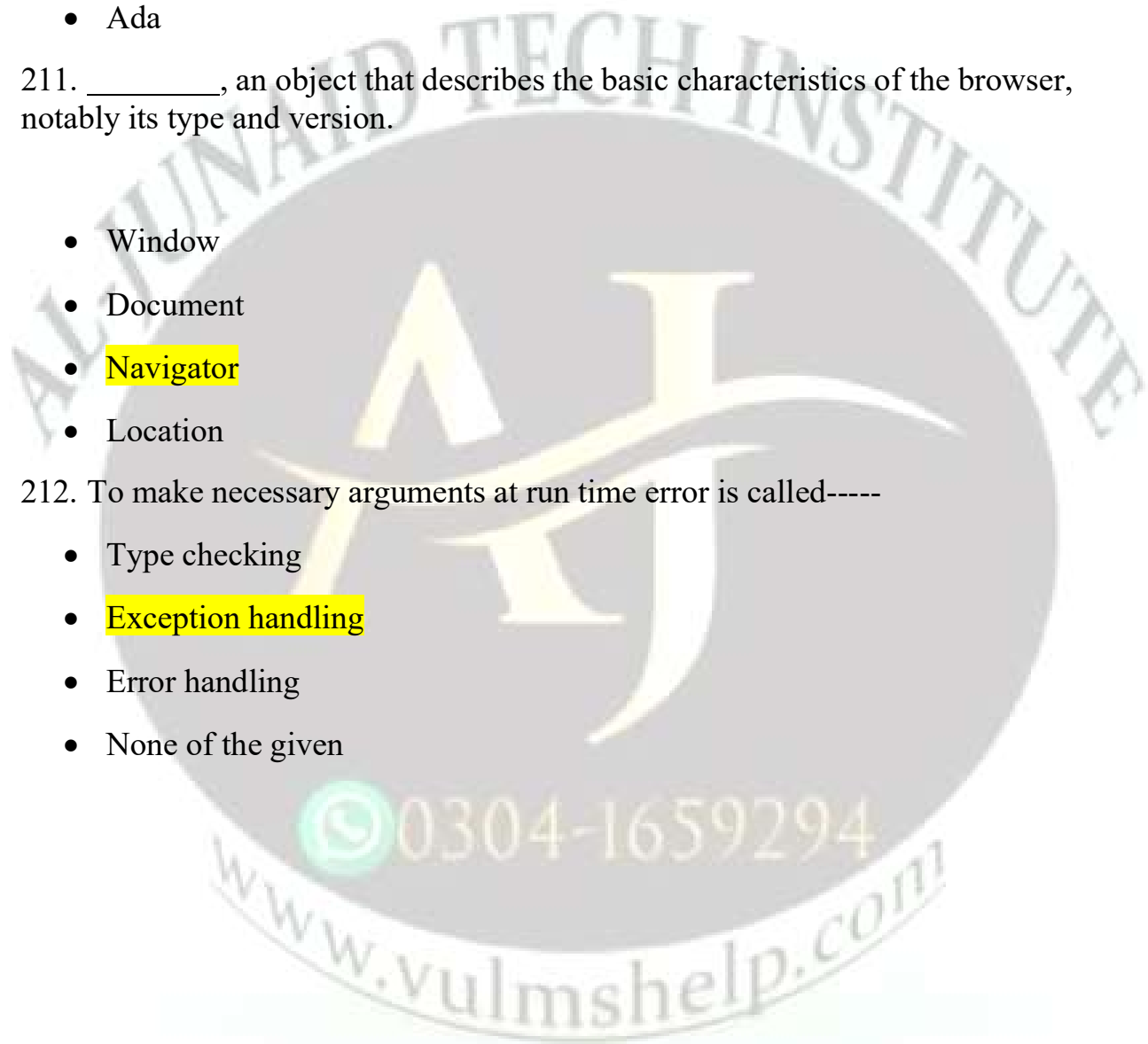
- C#
- C++
- JAVA
- Ada

211. _____, an object that describes the basic characteristics of the browser, notably its type and version.

- Window
- Document
- Navigator
- Location

212. To make necessary arguments at run time error is called-----

- Type checking
- Exception handling
- Error handling
- None of the given



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213. In-----we have to address the client side compatibility issue.

- JavaScript
- VB Script
- PHP
- Perl

214. How to compare and examine language?

- Readability
- Writability
- Reliability
- All of the given options

215. In SNOBOL 2 spaces can be used, the purpose of 1st space is for ----- and 2nd for -----

- Pattern matching, String Concatenation
- String concatenation, Pattern matching
- String concatenation, String concatenation
- Pattern matching, Pattern matching

216. Which of the following is an incorrect option from the following statements regarding 'objectives of learning new languages'?

- Help to compare different languages.
- Help in transition from one language to other language
- Help in understanding the language piracy policy
- Help to choose a language for development of a certain application

217. The more is the simplicity of a language, the more it will always be readable.

- True
- False

218. Value upon successful completion of pattern matching, the substring matched

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by the pattern is assigned to the variable as -----

- Value
- String
- Integer
- Real numbers

219. The main design goals of Ada were EXCEPT

- Program reliability and maintenance
- Design language for DOD
- Programming is a human activity therefore avoid unintentional mistakes
- Designing a portable language

220. One of the major design goals of Ada was

- To help developers to code the software in lesser time
- To make it difficult for developers to make mistakes
- To help develop an IDE for Ada
- To make testers to test Ada application easily

221. We can have nested procedures in ----- language.

- C++
- Ada
- C
- PROLOG

222. Learning the implementation details of a language help in the efficient use of that language.

- True
- False

223. Too much simplicity in language design can also cause problems.

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- True
- False

224. In -----, Enumeration type can also be used as indexes in arrays.

- Ada
- C
- C++
- LISP

225. In following is the correct syntax of 'for' statement in Ada.

- for variable in low_value..high_value loop-Loop body goes here end loop;
- for variable in low_value..high_value loop-Loop body goes here end;
- begin; for variable in low_value..high_value loop-Loop body goes here end loop;
- begin loop; for variable in low_value..high_value loop-Loop body goes here end loop;

226. Block statements in Ada is very different to a block in C.

- True
- False

229-----represents the class of languages from functional paradigm.

- LISP
- PROLOG
- Ada
- C++

230. Which statement is wrong about static variables?

- They are bound to memory cells before the execution of program
- They use to direct access the memory

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- There is run time overhead of allocation and de-allocation of memory
- Storage can't be shared among variables

231. If you want an argument to a function to always be passed by reference, you can prepend

- Percentage sign (%) to the argument name in the function definition
- Dollar sign (\$) to the argument name in the function definition
- An ampersand (&) to the argument name in the function definition
- Tilled sign (~) to the argument name in the function definition

232. 146. PHP supported all major Databases including -----

- ODBC
- ORACLE
- SQL Server
- All of the given options

233. Managed or safe code in-----is executed under the control of common language runtime (CLR) with automatic garbage collection, no explicit memory allocation and de allocation and no explicit destructor.

- C++
- Java
- Ada and C++
- C#

234. ----- is more strongly typed language then -----

- C++, C#
- C#, C++
- C++, Java
- None of the given

235. Enumeration type in C# may take any type of----- in contrast to C++

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where it take only-----

- **Numeric value, integer value**
- Value type value, numeric value
- Primitive type value, reference type value

236. ----- exception inherit from exception class and ----- exception is anywhere in the program.

- Java, C#
- C++, C#
- C#, Java
- **Java, C++**

237. In ----- the relationship between a get and set method is inherited, while in ----- it has to be maintained.

- Java, C++
- C++, C#
- Ada, Java
- **C#, Java or C++**

238. Which of the following is not true about delegates?

- **Delegates are value type**
- Delegates are event based
- Delegates are like C/C++ function pointer
- Delegates are reference type

239. There are ----- “categories” of types in java.

- **Two** **NOTE: primitive type and reference type**
- Three
- Four

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- Five

240. A variable in-----cannot be used unless and until it is not initialized.

- C++
- C#
- ALGOL
- C

241. Prolog is considered to be as -----

- Case and type insensitive
- Case and type sensitive
- Case sensitive and type insensitive
- Case insensitive and type sensitive

242. In java, out-of-bounds array index is always causes a ----- error.

- Syntax
- Compile time
- Runtime
- Logical

244. In prolog, a “member(X, T)” predicate is used to check the membership of X in ___

- Class
- Symbol
- List
- Both class and symbol

245. cannot be converted to other types in java.

- Booleans
- Char

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- Double
- Int

246. The----- operator in C# is used to test if the operator is of a certain type.

- “IN”
- “AS”
- **“IS”**
- “OUT”

247. In C# the “If” statement condition is an/a -----

- Arithmetic Expression
- Variable Expression
- Numeric Expression
- **Boolean Expression**

248. In JavaScript, which of the given provides access to the contents of browser windows?

- ROM
- **DOM**
- COM
- BOM

249. Which of the given is used before the declaration of variable in PHP?

- # Sign
- ? Sign
- **\$ Sign**
- @ Sign

250. The “IS” operator in C# is used for runtime -----

- Type conversion

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- Type casting
- Type tagging
- Type checking

256. PHP stands for -----

- PHP, Home Page
- PHP, Hypertext page
- PHP, Hypertext Preprocessor
- PHP, Home Preprocessor

257. In PHP, if a number is beyond the bounds of the integer type then it will be interpreted as a -----instead.

- String
- Short
- Long
- Float

259. Which of the following is very effective in solving complex puzzles?

- FORTRAN
- PROLOG
- ALGOL
- C/C++

260. The program is written in C# compiles to:

- Machine code
- An intermediate language (IL)
- Object code
- Source code

260. Concurrency in java is supported through:

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- Resource allocation
- Batch execution
- **Threads**
- Operator Overloading

262. Which of the following are lightweight processes in java?

- **Threads**
- Packages
- Applets
- JVM

263. The methods that allow two threads to cooperate (or synchronize) with each other in a java program are:

- Wait() and run()
- run() and notify()
- **Wait() and notify()**
- sleep() and yield()

264. In how many ways threads can be created in java?

- **Two**
- Many
- Three
- Four

265. C# language is very similar to:

- Prolog
- C-language
- Delphi
- **Java**

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266. Which of the following method is used to implement runnable interface in java?

- Stop Thread()
- Run Thread()
- Stop()
- **Run()**

267. Which of the following method in a java class cannot be changed (overridden) in a subclass?

- Public void display (){-}
- Public static void area (){-}
- Private void radius (){-}
- **Public final void result (){-}**

268. In C#, the name of class and the name of the file in which it is saved.

- Must start with lowercase letter
- Must start with uppercase letter
- Must match up
- **Do not need to match up**

269. PHP supports various data types excepts -----

- Integer
- Array
- Object
- **Char**

270. Which of the given operator is used to return a reference from a function in PHP?

- **&**
- &&

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- \$
- Dot

271. An-----in PHP is an ordered map.

- **Array**
- Queue
- Stack
- String

272. In-----the “break” statement may have an optional parameter or argument.

- C/C++
- Java
- **PHP**
- C#

273. In PHP “switch” structure, the ----- starts or implements an implicit loop.

- Break statement
- For loop
- **Continue statement**
- Return statement

274. C# provides the feature of built-in bounds checking of:

- Functions and classes
- Objects and methods
- **Arrays and strings**
- Interfaces and packages

275. Which of the following keywords is used to make a class non-extendable in java?

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- Static
- Private
- Final
- Public

276. In a PROLOG program, the definitions of predicate sentences or phrase are known as:

- Facts
- Clauses
- Declaration
- Inferences

NOTE: Clauses

Clauses are definition(s) of Predicate sentence or phrase.

277. What happens when you don't initialize the fields in the constructor of a java class?

- A compile-time error occurs
- Logical error occurs
- Default values are assigned WICKIPEDIA
- Runtime error occurs

278. Expert system ----- provide a structure to design expert system.

- Techniques
- Shells
- Lists
- Mechanism

279. The inference mechanism of PROLOG is based upon -----

- Forward chaining
- Back tracking

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- Propositional logic
- Recursion

280. What happens when you try to use an out-of bounds array index in JAVA?

- Array size is automatically incremented
- **A runtime error occurs**
- A garbage value is printed
- Nothing happens

281. Which of the following is treated as an atom and not as a List data type in PROLOG?

- [a, t,o,m]
- [a,b,c]
- [a]
- **[]**

282. How many types of arrays are available in C#?

- Two
- Four
- **Three**
- One

283. All java classes (built-in or user-defined) are sub-classes of----- class.

- Thread
- System
- **Object**
- Throwable

NOTE:

In Java, all classes (built-in or user-defined) are (implicitly) subclasses of the class Object.

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284. The scripts written in PHP are executed by:

- Client machine
- Web server
- Web browser
- Java Applet

285. The head and tail of a list in PROLOG is separated by:

- Semicolon (;)
- Comma (,)
- Vertical bar(|)
- Colon (:)

