

# Today Quiz-1 CS506

**For More Help Contact 03224021365**

Which of the following is NOT true for java inner classes?

- A. Can have Methods
- B. Can have constructors
- C. Can have instance variables
- D. Generally used as public utility classes** **Page 121**

Which of the following statement regarding Java is false?

- A. Java uses an interpreter
- B. Java is case sensitive language
- C. Java is a programming language
- D. A Java program compiles into machine language** **Page 8**

Bytecodes are put in memory by \_\_\_\_\_ .

- A. Editor
- B. Compiler
- C. Class loader** **Page 11**
- D. Bytecode verifier

\_\_\_\_\_ is correct syntax to get component area of “myFrame” top level container.

- A. Container c = myFrame.getContentArea();
- B. Container c = myFrame.getContentPane();** **Page 92**
- C. Container c = myFrame.getComponentPane();
- D. Container c = myFrame->getComponentArea();

\_\_\_\_\_ in a collection class creates a collection with no elements.

- A. Class
- B. Array
- C. Function
- D. Constructor** **Page 45**

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Which of the following is a valid variable name in Java?

- A. 1xu
- B. Long
- C. vu.506

**D. Number Of Student                  Google**

Which one of the following blocks always executes irrespective of exception occurrence?

- A. Try block
- B. Catch block
- C. Switch block

**D. Finally block                  Page 72**

CmdArgs java class is compiled. If the command “java CmdArgs CS506” run in cmd, then what will be output of given code.

```
Public class CmdArgs{  
public static void main(String[] args)  
{  
System.out.println("First argument " + args[0]);  
}
```

- A. CS506
- B. args[0]

**C. Syntax error                  Google**  
D. do not show any output

Window, frame and dialog use \_\_\_\_\_ as their default layout.

- A. Flow layout
- B. Grid layout

**C. Border layout                  Google**  
D. GridBag layout

The classes which contain the word \_\_\_\_\_ in their names are byte oriented streams.

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- A. Byte
- B. Writer
- C. Stream**
- D. Reader

**Page 71**

Which one of the following methods is not a method of MouseListener interface?

- A. Moved**
- B. Clicked
- C. Pressed
- D. Released

**Page 113**

Interface imposes \_\_\_\_\_ structure on any class that uses interface.

- A. Code
- B. Design**
- C. Inheritance
- D. Implementation

**Page 85**

Java core language is \_\_\_\_\_ than C++.

- A. Simpler**
- B. Difficult
- C. Complex
- D. Less secure

**Page 5**

Which of the following is the correct java code statement that is used to establish the connection?

- A. Connection con = DriverManager.getConnection(conURL)
- B. connection Con = DriverManager.getConnection(conURL)
- C. connection Con = DriverManager.getConnection(conURL)
- D. Connection con = DriverManager.getConnection(conURL)**

**Google**

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Which of the following functions is declared in MouseMotionListener interface?

- A. public void mouseClicked (MouseEvent me);
- B. public void mousePressed (MouseEvent me);
- C. public void mouseEntered (MouseEvent me);
- D. public void mouseDragged (MouseEvent me);**      **Page 113**

In java, adapter classes have been defined for the following listener interfaces except for \_\_\_\_\_ interface.

- A. ItemListener**      **Page 119**
- B. FocusListener
- C. ComponentListener
- D. MouseMotionListener

Which statement from the following statements is true about a java Anonymous Inner Class?

- A. It has no name
- B. It is much shorter
- C. All of the given options**      **Page 127**
- D. It is difficult to understand

Which of the following is a top level container?

- A. JPanel
- B. Dialog**      **Page 90**
- C. ToolBar
- D. ScrollPane

Which of the following features provides the facility for multiple inheritance?

- A. Collections
- B. Interfaces**      **Page 85**
- C. Adapter classes
- D. Wrapper classes

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Which of the following statement object is used to execute simple SQL statement?

**A. Statement Page 140**

B. None of given

C. Callable Statement

D. Prepared Statement

== operator compares \_\_\_\_\_ of strings whereas equals() method compares \_\_\_\_\_ of strings.

A. Addresses, size

B. Size, addresses

C. Values, addresses

**D. Addresses, values Page 19**

Which of the following name is used by the system to recognize the underlying data source?

A. DNS

**B. DSN Page 130**

C. JDBC

D. ODBC

In polymorphism \_\_\_\_\_ are overridden.

A. Classes

B. Methods

C. Variables

**D. Data type Page 8**

An event in java is represented as \_\_\_\_\_

**A. Object Page 103**

B. Function

C. Operator

D. Primitive data type

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All the exceptions and errors in java are inherited from \_\_\_\_\_ class.

- A. Error
- B. Exception
- C. Throwable**
- D. IOException

**Page 55**

ArrayList is an example of \_\_\_\_\_ collection type.

- A. Set based
- B. Hashmap based
- C. Sequence based**
- D. None of the given

**Google**

DDL stands for?

- A. Data Driven Language
- B. Data Definition Language**
- C. Database Driven Language
- D. Database Definition Language

**Page 137**

While running following ExceptionExample.java class on command line without passing command line arguments gives \_\_\_\_\_ exception.

- A. IO Exception
- B. Null pointer exception
- C. Divide by zero exception
- D. Array index out of bound exception**

**Page 58**

Bytecodes are created and stored on disk by \_\_\_\_\_ .

- A. Editor
- B. Compiler**
- C. Class loader
- D. Bytecode verifier

**Page 11**

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Which of the following streams is a filter stream?

- A. File Writer
- B. File Reader
- C. Buffered Reader**                      **Page 69**
- D. All of given options

Which of the following package needs to import while interacting with a relational database?

- A. Java.io
- B. java.sql**                      **Page 129**
- C. java.awt
- D. javax.swing

A class that is defined in another class is called \_\_\_\_\_.

- A. Inner class**                      **Page 121**
- B. Public class
- C. Private class
- D. Derived class

Which of the following statement object is used to execute using same query multiple times by only changing parameters?

- A. Statement
- B. CallableStatement
- C. PreparedStatement**                      **Page 140**
- D. Both PreparedStatement and CallableStatement

In given lines of code, \_\_\_\_\_ is applying .

```
int a = 20;  
double b = a;
```

- A. upcasting a to b type**                      **Page 43**
- B. upcasting b to a type
- C. downcasting b to a type
- D. downcasting a to b type

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Choose the correct syntax to declare an abstract java class named as "Person".

- A. abstract public class Person {}
- B. public class Person abstract {}
- C. public class abstract Person {}

**D. public abstract class Person {}** **Page 83**

Based on functionality, the streams can be categorized as \_\_\_\_\_

**A. Node stream and Filter stream** **Page 83**

- B. Byte oriented stream and Node stream
- C. Filter stream and Character oriented stream
- D. Byte oriented stream and Character oriented stream

\_\_\_\_\_ is/are not part of java core language.

- A. Array
- B. Objects
- C. Variables

**D. Array List class** **Page 4**

Which of the following statement object is used to execute precompiled SQL statements?

- A. Statement
- B. CallableStatement

**C. PreparedStatement** **Page 140**

D. Both PreparedStatement and CallableStatement

In given lines of code Employee is super class, Teacher is child class, \_\_\_\_\_ is applying.

**A. upcasting Employee to Teacher type** **Page 44**

- B. upcasting Teacher to Employee type
- C. downcasting Employee to Teacher type
- D. downcasting Teacher to Employee type

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All java files in a directory are compiled using \_\_\_\_\_ command in command prompt.

- A. javac all
- B. java \*.java
- C. javac \*.java**
- D. javac all.java

**Page 6**

If a class implements an interface then \_\_\_\_\_

**A. an interface must provide implementation of all methods**  
**Page 85**

- B. a class must provide implementation of all methods of interface
- C. a class may or may not provide implementation of all methods of interface
- D. class will compile successfully if class do not implements methods of interface

Which of the following features is available in java?

- A. Pointers
- B. Global variables
- C. Primitive data types**
- D. Operator overloading

**Page 40**

A hash map object is to create, to store Teacher objects as values and their CNIC in the form of strings as keys. Which syntax is correct for this requirement?

- A. `HashMap <String> h =new HashMap<String>();`
- B. `HashMap <Teacher> h =new HashMap<Teacher>();`
- C. `HashMap <Teacher> h =new HashMap<String,Teacher>();`
- D. `HashMap <String,Teacher> h =new HashMap<String,Teacher>();` Page 279**

Which of the following is true about AWT and SWING components?

- A. Both AWT and SWING component creates a thread.

# Today Quiz-1 CS506

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- B. Both AWT and SWING component creates a process.
- C. AWT components creates a process whereas SWING component creates a thread. Page 88**
- D. AWT components creates a thread whereas SWING component creates a process.

Which of the given Listener Interfaces is need to handle the “KeyEvent”?

- A. KeyListener Page 105**
- B. KeyActionListener
- C. MouseKeyListener
- D. MotionKeyListener

In given lines of code \_\_\_\_\_ is static variable and \_\_\_\_\_ is static method.  
System.out.println(“CS506”);

JOptionPane.showMessageDialog(null,“CS506”)

- A. Println, JOptionPane
- B. System, JOptionPane
- C. Out, showMessageDialog Page 34**
- D. Println, showMessageDialog

A collection can store \_\_\_\_\_

- A. At most 100 objects
- B. Homogenous objects Page 61**
- C. Heterogeneous objects
- D. Objects as well as primitive values

Mouse events can be trapped for \_\_\_\_\_ GUI component.

- A. JPanel
- B. JFrame
- C. JButton
- D. All of given Page 113**

# Today Quiz-1 CS506

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WindowListener interface contains \_\_\_\_\_ methods.

- A. Six
- B. Four
- C. Eight

**D. Seven      Page 128**

A variable declared as static in a class is a/an \_\_\_\_\_

- A. Class variable      Google**
- B. Const variable
- C. Global variable
- D. Instance variable

In java, overloading is \_\_\_\_\_ whereas overriding is \_\_\_\_\_ .

- A. Run time binding, late time binding
- B. Late binding, compile time binding
- C. Run time binding, compile time binding

**D. Compile time binding, run time binding      Google**

Which of the following is a general purpose container?

- A. Dialog
- B. JFrame

**C. JPanel      Page 90**

D. JApplet

The following is an example of \_\_\_\_\_.

```
FileReader fr = new FileReader("input.txt");
```

- A. File stream
- B. Node stream      Page 69**
- C. Filter stream
- D. Byte oriented stream

AWT is also called \_\_\_\_\_.

- A. Light weight components

# Today Quiz-1 CS506

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- B. Heavy weight components**      **Page 88**
- C. Neither Light weight nor heavy weight
- D. Both Light weight and heavy weight components

If there is no exception in the try block then the catch block \_\_\_\_\_ executes.

- A. Never**      **Google**
- B. Always
- C. Sometime
- D. None of the given

The given line of code will result in \_\_\_\_\_

`System.out.println(5+9);`

- A. 5+9
- B. 14**      **Page 19**
- C. 59
- D. Syntax error

Which of the following exception belongs to a category of un-checked exception?

- A. IOException
- B. AWTException
- C. Null Pointer exception**      **Page 71**
- D. ClassNotFoundException

HashMap takes key as a/an \_\_\_\_\_

- A. Array
- B. Object**      **Page 47**
- C. Function
- D. Primitive value

To compile all the .java files, the java compiler is called \_\_\_\_\_, on UNIX or Windows.

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**A. javac**                      **Page 6**

B. cjava

C. java.c

D. c java

Teacher.java class wants to inherit from Employee.java class,  
\_\_\_\_\_ keyword should be used in blank space in given code to  
apply inheritance. class Teacher ----- Employee  
{public static void main (String args[]){ }}

A. Inherit

**B. Extends**                      **Page 39**

C. Override

D. Implement

Which command of the following commands is used to compile  
“JavaTest” java file’s code?

A. java JavaTest

B. javac JavaTest

C. java JavaTest.java

**D. javac JavaTest.java**                      **Page 33**

CREATE, ALTER, DROP are \_\_\_\_\_ SQL statements.

A. DCL

B. DML

**C. DDL**                      **Page 137**

D. None of given

Following are the code statements used in java event handling. Identify  
the code statement that is used for handling an event

A. button = new JButton("Reset")

B. button.addActionListener(this)

C. container.setLayout(new FlowLayout());

**D. public void actionPerformed(ActionEvent e)**                      **Page 106**

# Today Quiz-1 CS506

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If there is a class "Student", then the java file must be saved with \_\_\_\_\_ name.

- A. Any name
- B. Student.java
- C. student.java** **Page 30**
- D. Student\_File.java

The relationship between class and interface is called \_\_\_\_\_

- A. 'Is a' relationship** **Page 98**
- B. 'Has a' relationship
- C. 'Responds to' relationship
- D. None of the given options

Converting a bigger data type into smaller data type is called \_\_\_\_\_.

- A. Up-casting
- B. High-casting
- C. Down-casting** **Page 44**
- D. Normal-casting

Which of the following keyword/operator is used for inheritance in java?

- A. Inherit
- B. : (colon)
- C. Extends** **Page 38**
- D. Implements

Which feature of the following features does Java provide?

- A. Pointers
- B. Multiple Inheritance
- C. Function Overriding** **Page 5**
- D. Operator Overloading

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In Editor java programs are created, while they are stored on/in

- \_\_\_\_\_ .
- A. Usb
  - B. Disk                    Page 11**
  - C. External file
  - D. Primary memory

\_\_\_\_\_ returns the elements at specified position in the list.

- A. Object set(int index)
- B. Object get(int index)                    Page 46**
- C. Object return(int index)
- D. Object remove(int index)

JDBC-ODBC stands for \_\_\_\_\_.

- A. Java DataBase Corporation- Open DataBase Corporation
  - B. Java DataBase Corporation- Oracle DataBase Corporation
  - C. Java DataBase Connectivity- Oracle DataBase Connectivity
  - D. Java DataBase Connectivity- Open DataBase Connectivity**
- Page 162**

Which of the following is a correct listener statement for “mouse click” event in “MouseListener” interface?

- A. public void mouseclicked (MouseEvent me)
- B. public void Mouseclicked (MouseEvent me)
- C. public void mouseClicked (MouseEvent me)                    Page 114**
- D. public void MouseClicked (MouseEvent me)

The toString() method returns a \_\_\_\_\_ representation of \_\_\_\_\_

- A. int, string
- B. string, int
- C. object, string
- D. string, object                    Page 34**

# Today Quiz-1 CS506

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To make sure array accesses touch only the memory allocated to them , JVM does \_\_\_\_\_ checking at runtime.

- A. Not
- B. Static
- C. Dynamic**
- D. Consistent

**Page 5**

Mouse motion event is generated when mouse is:

- A. Clicked
- B. Entered
- C. Pressed

**D. Dragged**      **Page 113**

Which of the following method is used to execute INSERT, UPDATE and Delete SQL statements?

- A. executeQuery(sql);
- B. ExecuteQuery(sql);
- C. executeUpdate(sql);

**D. ExecuteUpdate(sql);**      **Page 141**

Given code is showing the result of addition of two integer type numbers. Choose correct output of this code.

```
Int i = 7;
```

```
int j = 8;
```

```
int k = i+j;System.out.println("Seven " + i + " plus Eight " + j + " is " + k)
```

- A. Seven plus Eight is k
- B. Seven i plus Eight j is k

**C. Seven 7 plus Eight 8 is 15**      **Google**

D. Seven i plus Eight j is + 15

Which of the following streams is a byte oriented stream?

# Today Quiz-1 CS506

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- A. PrintWriter
- B. FileReader
- C. BufferedReader

**D. FileInputStream**      **Page 71**

Which of the following statement object is used to execute stored procedures?

A. Statement

**B. CallableStatement**      **Page 140**

C. PreparedStatement

D. Both PreparedStatement and CallableStatement

Which of the following is called “pure abstract class”?

A. Collections

**B. Interfaces**      **Page 85**

C. Adapter classes

D. Wrapper classes