

**CS506 Web Design and Development  
Solved Online Quiz No. 01  
[www.virtualians.pk](http://www.virtualians.pk)**

Which of the following is a general purpose container?

Select correct option:

JFrame

Dialog

JPanel

- **JApplet**

Which of the following package needs to be import while handling files?

Select correct option:

java.util

- **java.io**

java.awt

javax.swing

Exception handling code is written in \_\_\_\_\_

Select correct option:

try block or confirm

catch block

finally block

- **throws clause**

Which of the following stream is a Node stream?

PrintWriter

FileWriter

- **BufferedReader**

All of given option

Which of the following stream read/write data in the form of bytes?

FileReader

FileWriter  
PrintWriter

- **FileInputStream**

Which of the following command is used to compile Java code?

java filename

- **javac filename.java**

javac filename

java filename.java

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

- **executeQuery(sql);**

ExecuteQuery(sql);

executeUpdate(sql);

ExecuteUpdate(sql);

Which of the following stream is a filter stream?

FileWriter

FileReader

- **BufferedReader**

All of given options

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

Operator

Function

- **Object**

Primitive data type

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

Null Pointer exception

IOException  
Array index out of bounds  
NumberFormatException

Packages are the way to organize files into different -----according to their functionality, usability as well as category they should belong to.

- **Directories**

Folders  
Libraries  
None of these

When JSP page compiled, it is translated into?

Applet  
Application

- **Servlet**

Web Browser

From the following which ID is transmitted between the client and the server

- **Session ID**

Network ID  
Server ID  
None of these

To define the error page in JSP we use following tag?

- **exception-type**

error-type  
error-page  
exception-page

Web.xml is a \_\_\_\_\_

java file

- **configuration file**

jar file  
servlet

Which of the following is NOT a part of HTTP request?

Request method

URI

- **Status code**

Header fields

Which of the following range of response code indicates that request was successful?

100-199

- **200-299**

300-399

400-499

Which of the following Environment variable tells the system about the root directory of TOMCAT?

JAvA\_HOME

- **CATALINA\_HOME**

CLASSPATH

PATH

Which of the following folder contains configuration file?

Classes

Lib

Bin

- **WEB-INF**

Which of the following is NOT a web technology of Java?

Servlet

JSP

ASP

- **JSF**

Which of the following approach is used to create threads in java?

inheritance

interface

- **Both inheritance and interface**

None of these

Which of the following syntax attaches an output stream to console?

Select correct option:

- **FileWriter fw = new FileWriter("output.txt");**

FileWriter fw = new FileWriter(FileDescriptor.out);

FileWriter fw = new FileWriter(FileDescriptor.in);

FileWriter fw = new FileWriter(FileDescriptor);

What will happen if static modifier is removed from the signature of main method?

Select correct option:

The program does not compile

The program compiles and runs successfully

- **The program compiles but does not run**

None of given options

v What will happen if main method is declared as private?

Select correct option:

The program does not compile

- **The program throws an exception at run time**

The program compiles and runs successfully

None of given options

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

Select correct option:

Homogenous objects

Heterogeneous objects

- **Objects as well as primitive values**

At most 100 objects

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

Select correct option:

int, string

string, int

- **string, object**

object, string

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

Select correct option:

Byte oriented stream and Node stream

Filter stream and Character oriented stream

- **Node stream and Filter stream**

Byte oriented stream and Character oriented stream

Which of the following stream read/write data in the form of bytes?

Select correct option:

FileReader

FileWriter

PrintWriter

- **FileInputStream**

If a super class method is protected then overriding method \_\_\_\_\_

Select correct option:

must be protected

must be public

must be private

- **may be either protected or public**

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sec(s)

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

Select correct option:

Instance variable

- **Class variable**

Const variable

Global variable

Which of the following stream read/write data in the form of bytes?

FileReader

FileWriter

PrintWriter

- **FileInputStream**

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

- **Object**

Array

Primitive value

Function

Which of the following feature is not available in java

Pointers

Operator overloading

Global variables

- **All of given options**

Static methods can only access \_\_\_\_\_

Instance variables

Instance methods

- **Static variables and methods**

Both static and instance members

What will happen if we write static public void instead of public static void?

Select correct option:

Program does not compile

Program compiles but does not run

- **Program compiles and run successfully**

Program throws an exception

Which of the following method is called only once during life cycle of Servlet

Service()

- **Init()**

Destroy()

Start()

Which of the following method allows any other thread of same priority to execute?

Sleep()

Wait()

Notify()

- **Yield()**

Which of the following problem occurs with lower priority threads?

Race Condition

- **Starvation**

Average waiting time

Process Death

Which of the following method is used to convert a string into an int value?

IntValue()

parseInt()

- **ParseInt()**

parseInteger()

The classes which contain the word \_\_\_\_\_ are bytes oriented streams.

Reader

Writer

- **Stream**

Byte

To compare the value of two strings, \_\_\_\_\_ must be used.

=operator

==operator

- **Equal()method**

Compare()method

Which of the following stream is a Node stream?

PrintWriter

FileWriter

- **BufferedReader**

All of the given option

The given line of code will results in \_\_\_\_\_system.out.println(5+9);

59

5+9

- **14**

syntax error

Which of the following feature provides the facility for multiple inheritance

Adapter Classes

Wrapper Classes

- **Interfaces**

Collections

==operator compares \_\_\_\_\_of strings whereas equals() method compares \_\_\_\_\_of the string.

Value, Addresses

- **Address, Values**

Size, Addresses

Addresses, Size

Which of the following package needs to be import while handling files?

Java.util

- **Java.io**

Java.awt

Javas.swing

Which of the following command is used to run java program?

Java filename.java

- **Java filename**

Javac filename.java

Javac filename

What will happen if we write static public void instead of public static void?

Program does not compile

Program compiles but does not run

Program compiles and run successfully

- **Program throws an exception**

Which of the following syntax used to attach an input stream to console?

FileReader fr=new FileReader((input.txt))

FileReader fr=new FileRead(FileDescriptor.in);

- **FileReader fr=new FileReader(FileDescriptor);**

Is it possible to provide more than one main method within same class?

True

- **False**

Which of the following is true about abstract class?

- **An abstract class must have all methods declared as abstract methods.**

A class must have at least one abstract method to be abstract class.

A class without any abstract method can be declared as abstract class.

An instance of abstract class can be created

If a super class method is protected then overriding method \_\_\_\_\_

Select correct option:

must be protected

- **must be public**

must be private  
may be either protected or public

Which of the following exception belongs to a category of un-checked exception?  
Select correct option:

IOException

- Null Pointer exception

AWTException

ClassNotFoundException

Which of the following is called ' pure abstract class ' ?

Concrete class

Wrapper class

- **Interface**

Abstract class with no abstract method

Which of the following is true about abstract class?

An abstract class must have all methods declared as abstract methods.

A class must have at least one abstract method to be an abstract class.

- **A class without any abstract method can be declared as abstract class.**

An instance of abstract class can be created.

Which of the following stream is a filter stream?

FileWriter

FileReader

- **BufferedReader**

All of given options

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

Reader

Writer

- **Stream**

Byte

Which of the following stream read/write data in the form of bytes?

ileReader

FileWriter

PrintWriter

- **FileInputStream**

An instance of abstract class cannot be created.

TRUE

FALSE

An abstract class -----instantiated.

- **Cannot be**

Can be

Must

None of these

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

- **' Is a ' relationship**

' Has a ' relationship

' Responds to ' relationship

None of the given options

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

Null Pointer exception

- **IOException**

Array index out of bounds

NumberFormatException

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

IOException

- **Null Pointer exception**

AWTException

ClassNotFoundException

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

Exception

Error

- **Throwable**

IOException

Exceptions must be handled while handling files otherwise it may lead to \_\_\_\_\_

Logical error

Syntax error

- **Run-time error**

No error

Which of the following package needs to be import while handling files?

java.util

- **java.io**

java.awt

javax.swing

When defining a method you must include a/an ..... to declare any exception that

might be thrown but is not caught in the method:

try block

finally block

catch block

- **throws clause**

A top level class may have only the following access modifier.

Package

Private

Protected

- **Public**

Which of the following is used for inheritance in java?

implements

- **extends**

:(colon)

inherit

A collection can store .....

- **Homogenous objects**

Heterogeneous objects

Which of the following syntax is used to attach an input stream to console ?

- **FileReader fr = new FileReader('input.txt');**

FileReader fr = new FileReader(FileDescriptor.in);

FileReader fr = new FileReader(FileDescriptor);

FileReader fr = new FileReader(console);

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

- **Border layout**

Flow layout

GridBag layout

Grid layout

There are \_\_\_\_\_ types of exceptions in Java

2

- **3**

4

5

What if the main method is declared as private?

The program does not compile

The program compiles but does not run

- **The program compiles and runs properly**

The program throws an exception on compile time

Java program code is compiled into form called

Machine code

native Code

- **Byte Code**

Source Code

A top level class without any modifier is accessible to any class

- **any class within the same package**

any class within the same file  
any subclass of this class

Overloading is \_\_\_\_\_ whereas overriding is \_\_\_\_\_

Run time binding, compile time binding

Late binding, compile time binding

- **Compile time binding, run time binding**

Run time binding, late time binding

Static methods only access \_\_\_\_

instance variable

instance method

- **static variables and methods**

both static and instance members

Which of the following is modifier is provided by default if no access is written explicitly?

public

Private

Protected

- **Default**

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

- **Object**

Array  
Primitive value  
Function