



Mahavir Education Trust's
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Skill based Lab Course: Object Oriented Programming with Java Quiz

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* Required

OOP Java Lab Quiz

Note: 1] Answer all questions.

What will be the output of the following? *

```
public class Test
{
    public static void main (String[] args)
    {
        int i = 0, j = 8;
        do {
            i++;
            if (j-- < i++) {
                break;
            }
        } while (i < 4);
        System.out.println(i + "" + j);
    }
}
```

☐ 55

☐ 54



☒ 46

☐ 44

Garbage collection in Java is *

☐ Java deletes all unused java files on the system.

☒ Memory occupied by objects with no reference is automatically reclaimed for deletion.

☐ Unused package in a program automatically gets deleted.

☐ The JVM cleans output of Java program.

The default capacity of a Vector is: *

☐ 8

☐ 12

☒ 10

☐ 0

Which of these class object can be used to form a dynamic array? *

☐ ArrayList

☒ ArrarList & Vector

☐ Vector

☐ Map



Which function of Vector class returns the number of elements in the vector? *

- ☒ size()
- ☐ elementsCount()
- ☐ capacity()
- ☐ length()

_____ method is used to block a thread. *

- ☒ block()
- ☐ destroy()
- ☐ sleep()
- ☐ stop()

Which of the following is not a valid way to create String object? *

- ☒ String str3 = 'a'+ 'b'+ 'c';
- ☐ String str2 = new String(new char[]{'a','b','c'});
- ☐ String str1 = "abc";
- ☐ String str = new String("abc");



_____ is used to declare constant variable. *

- ☐ constant
- ☐ finally
- ☒ final
- ☐ const

Which of the following is/are the advantages of Vector over arrays? i) It is convenient to use vectors to store objects ii) A vector can be used to store a list of objects that may vary in size iii) We can add and delete objects from the list as and when required *

- ☐ i and ii only
- ☐ ii and iii only
- ☒ All i, ii and iii
- ☐ i and iii only

_____ objects are mutable that is modifiable *

- ☐ StringClass
- ☐ String
- ☐ stringChar
- ☒ StringBuffer



If S1 and S2 are two strings, which of the following statements or expressions are correct. i) String S3=S1+S2; ii) String S3=S1-S2; iii) S1<=S2; iv) S1.compareTo(S2); *

- ☒ i and iv only
- ☐ ii and iii only
- ☐ ii and iv only
- ☐ i and ii only

Which of the following Array declaration statement is correct ? *

- ☐ int a[] = new a [5]
- ☒ int a[] = new int [5]
- ☐ int a = new int [5]
- ☐ int a []



What is the output of the following code snippet. *

```
public class MyClass
{
    public static void main(String args[])
    {
        boolean x=false, y=true;
        if(x=y)
            System.out.print("Hello ");
        else
            System.out.print("Hi ");
        System.out.print("Bye");
    }
}
```

- ☒ Hello Hi Bye
- ☐ Bye
- ☐ Hello Bye
- ☐ Hi Bye

Which method of String class is used to remove spaces in a string object? *

- ☒ trim()
- ☐ removeSpace()
- ☐ removeSp()
- ☐ trimming()



In the given Array declaration, which expression returns the output as 5 ? int
arr[]={23,5,78,34,2}; *

- ☐ arr[].length()
- ☐ arr[].length
- ☒ arr.length
- ☐ arr.length()

_____ block of code is always execute whether there is exception or not *

- ☒ finally
- ☐ catch
- ☐ throw
- ☐ try

Java uses two stage system for program execution. They are *

- ☐ Compiler and instruction
- ☒ Compiler and interpreter
- ☐ Copy and compiler
- ☐ Compiled and Translated



Find the output of the following code

```
public class MyClass
{
    public static void main(String args[])
    {
        String s="Information";
        System.out.println(s.substring(3,7));
    }
}
```

- ☐ formati
- ☐ form
- ☒ orma
- ☐ ormatio

Clear selection

Which data type value is returned by math functions? *

- ☐ long
- ☐ float
- ☒ double
- ☐ int



What is the value of "age" in the below Java program with a DO-WHILE loop? *

```
int age=20;  
do  
{  
    age++;  
}while(age<20);  
System.out.println(age);
```

- ☐ 20
- ☒ 21
- ☐ 22
- ☐ 19

Write the output of the following *

```
public class Main  
{  
    public static void main(String args[])  
    {  
        int b = 2.0;  
        double c = 5.6;  
        System.out.println((int)(b+c));  
    }  
}
```

- ☐ 7.60
- ☐ Compile Time Error
- ☐ 7.6





_____ is a default package of java *

- ☐ java.util
- ☐ [java.io](#)
- ☒ java.lang
- ☐ [java.net](#)

What is the purpose of JVM? *

- ☐ To covert the low-level semantics to high level
- ☒ To convert bytecode into machine specific code
- ☐ To debug the program
- ☐ To display errors

*

```
public class M
{
    abstract void disp();
    void displayMessage()
    {
        System.out.println("Hello");
    }
}
```

- ☐ class M must contain all abstract methods.
- ☐ class M must be define as interface



- ☐ The method disp() in class M must have a method body.
- ☒ class M must be defined abstract.

Find the output of the following code *

```
public class MyClass
{
    public static void main(String args[])
    {
        int a=5,b;
        b=++a + a++ + a + ++a;
        System.out.println(b);
    }
}
```

- ☐ 26
- ☐ 25
- ☒ 27
- ☐ 28

What will be the output of the following program? *

```
public class Test
{
    public static void main(String[] args)
    {
        boolean bool = true;
        if (bool = false)
        {
            System.out.println("OOPM");
        }
        else
        {
            System.out.println("JAVA");
        }
    }
}
```



- ☐ OOPM
- ☐ Re-Initialization
- ☐ Compiler Error

Which thread will be executed first if two threads have same priority *

- ☐ Both will be executed simultaneously
- ☐ They will be executed on first come first serve basis
- ☒ It depends upon operating system
- ☐ They will fall in starvation and none will be executed.

When class extends the thread class, it should override ____ method of Thread class to start the thread *

- ☐ start()
- ☐ init()
- ☒ run()
- ☐ go()



Find the missing statement in the following code *

```
public class Th extends Thread
{
    public void run()
    {
        System.out.print("Thread is Running.");
    }
    public static void main(String args[])
    {
        Th thread=new Th();
        ..... // missing statement to Start the thread
    }
}
```

- ☐ thread.run();
- ☐ start();
- ☒ thread.start();
- ☐ Th.start();

The concept of gaining access to the members of the base class is known as *

- ☐ Data redundancy
- ☐ Data reusability
- ☒ Code reusability
- ☐ Data encapsulation

Which method is used to display radio button on the form *

- ☐ Checkbox()



- ☒ RadioButton()
- ☐ RButton()
- ☐ CheckboxGroup()

disp() method in class B is an example of _____. The output of the code is _____.*

```
class A
{
    void disp()
    {
        System.out.println("in class A");
    }
}
class B extends A
{
    void disp()
    {
        System.out.println("in class B");
    }
}

public class M
{
    public static void main(String args[])
    {
        B ob = new B();
        ob.disp();
    }
}
```

- ☐ method overloading, in class B
- ☒ method overriding, in class B
- ☐ method overloading, in class A
- ☐ method overriding, in class A

Which of the following is a valid declaration of an object of class Product? *

- ☒ Product obj = new Product ();
- ☐ Product obj = new Product;



- ☐ obj() = new Product ();
- ☐ new Product obj;

A class which is declared with the ----- keyword is known as an abstract class in Java. *

- ☐ util
- ☐ implements
- ☐ extends
- ☒ abstract

Find the missing statement in the given code *

```
public class MyClass
{
    static int factorial(int n)
    {
        if(n==0)
            return 1;
        else
            // Missing statement
    }
    public static void main(String args[])
    {
        int n=5;
        System.out.println(factorial(n));
    }
}
```

- ☐ factorial=n*factorial(n-1)
- ☐ return n*(n-1);
- ☒ return n*factorial(n-1);
- ☐ return factorial(n-1);



Which of the following is not a keyword of Java? *

- ☐ this
- ☐ class
- ☒ struct
- ☐ interface

What is the output of the given code snippet ? *

```
class A
{
    void disp()
    {
        System.out.println("in class A");
    }
}
class B extends A
{
    void disp()
    {
        System.out.println("in class B");
    }
}

public class M
{
    public static void main(String args[])
    {
        B ob = new B();
        ob.disp();
    }
}
```

- ☒ In double add 4.0
- ☐ incompatible types: possible lossy conversion
- ☐ In float add 4.0



- ☐ in float and 4.0
- ☐ compile time error

Which method of String class is used to extract a single character from a String object? *

- ☐ characterat()
- ☐ CharacterAt()
- ☒ charAt()
- ☐ CHARAt()

What will be the output of the following code? *

```
abstract class Bank {  
    private abstract void deposit(); //Line 1  
    abstract void withdraw();  
    public void balance(){} //Line 2  
}  
Class office extends Bank{ //Line 3  
    void deposit() { //Line 4  
        // implementation code  
    }  
}
```

- ☐ Compilation error in Line 2(abstract class cannot have concrete method)
- ☐ Compilation error in Line 1(abstract method cannot be private)
- ☒ Compilation error in Line 3(abstract class cannot be extended)
- ☐ Compilation error in Line 4(deposit method should have public access modifier)



Which method is use to draw a square? *

- ☐ drawArc()
- ☒ drawRect()
- ☐ drawSquare()
- ☐ Create square object

Which of these method of Thread class is used to find priority of a thread? *

- ☐ getpriority()
- ☐ getThreadPriority()
- ☐ GetPriority()
- ☒ getPriority()

Which of the following package needs to be imported to use the Vector class *

- ☒ java.util
- ☐ java.lang
- ☐ [java.net](#)
- ☐ [java.io](#)



A _____ method has same name but different parameters *

- ☐ Class
- ☒ Method Overloading
- ☐ Method overriding
- ☐ Constructor

Java is a platform independent programming language because *

- ☐ Java compiler translates the source code directly to the machine level language.
- ☐ It is written in an almost similar manner as English language.
- ☐ It follows the concept of write once and compile everywhere.
- ☒ It compiles to an intermediate code targeting a virtual machine, which can be interpreted by an interpreter for a given OS.



What is the output of the following code snippet. *

```
import java.util.*;
public class MyClass
{
    public static void main(String args[])
    {
        Vector v=new Vector(5);
        v.addElement("Computer");
        v.addElement("Department");
        System.out.println(v.capacity());
        System.out.println(v.size());
    }
}
```

- ☐ 2 5
- ☐ 10 5
- ☒ 5 2
- ☐ 10 2

Suppose P and Q are two interfaces. Assuming that class R wants to implement both interfaces. Then which of the following statements is true? *

- ☒ class R implements P, Q { ... }
- ☐ class R extends P implements Q { ... }
- ☐ class R extends P, Q { ... }
- ☐ class R implements P extends Q { ... }



Which package provides many event classes and Listener interfaces for event handling? *

- ☒ java.awt.event
- ☐ java.awt.Graphics
- ☐ java.applet
- ☐ java.awt

Which of the following access specifier (s) should you choose if you need access restricted to only subclass in the same package or different package? *

- ☒ protected
- ☐ private
- ☐ private protected
- ☐ default

The process of hiding the implementation details and showing only functionality to the user *

- ☐ Inheritance.
- ☒ Abstraction.
- ☐ Duplication.
- ☐ Polymorphism



Suppose you want to display the text SAKEC in an applet. Which of the following method can be used for the same? *

- ☐ display()
- ☒ drawString()
- ☐ transient()
- ☐ print()

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