Java and Internet Programming

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1. compare JVm and compiler
```

```
2. what is the output of the following programs? Justify your answer
   public class test{
           public static void main(String args[]){
                   char c;
                   int i:
                   c='A';
                   i=c;
                   c=i+1;
                   c++;
            }
   2.
   public class C{
           public static void main(string args[]){
                   int i1=9;
                   int i2;
                   if(i1>3);
                           i2=8;
                   else
                           i2=9:
                   System.out.println(i2);
           }
   }
   3.
   class C{
           int i;
           public static void main(String [] args){
                   int i;
                   private int a=1;
                   protected int b=1;
                   public in c = 1;
                   System.out.println(a+b+c);
            }
   }
   4.
   class C{
           public static void main(String [] args){
                   int[] a1[3]=new int[3][3];
                   int a2[]={3,4,5,6};
                   int a3[][]=\{\{3,4\},\{5,6\}\};
            }
```

- 3. write a program to find the number of and sum of all integers greater than 100 and less than 200 that are divisible by 7
- 4. write short notes on constructors
- 5. what are differences between abstract class and interfaces
- 6. what are differences between static and dynamic polymorphism
- 7. what is the output of the following programs? Justify the answer 1.

```
abstract class Base{
abstract public void myfunc();
public void another(){
       System.out.println("Another method");
public class Abs extends Base{
public static void main (String argv[]){
Abs a=new Abs();
a.amethod();
public void myfunc(){
System.out.println("My func");
public void amethod(){
myfunc();
}
2.
class Base{
public final void amethod(){
System.out.println("amethod");
}
public class Sample extends Base(){
public static void main(String argv[]){
Base b=new Sample();
b.amethod();
public final void amethod(){
System.out.println("amethod");
}
   8. Write short notes on exception handling and finally block with examples
   9. write a JSP to accept the "First Name", "Last Name" and "DOB" from the user and save the
       details in a database
    10. write short notes on applet lifecycle
    11. what are different types of heading tags in HTML
    12. consider the HTML table definition given below
       1. the no. Of rows in each column and the no. Of columns in each row are
    13. explain polymorphism in detail
    14. What is JVM
    15. what are the types of layout managers
    16. give the advantages of threads
    17. what are the types of GUI containers
    18. for what can we use static keyword
    19. give the lifecycle stages of a JSP
   20. what are the steps to create and run a RMI program in Java
   21.
       1. create a html page to accept user bio-data details
```

2. what is a class? How does it accomplish data hiding

22.

- 1. write a program to find the roots of a given quadriatic equation
- 2. write short notes on Memory allocation and Garbage collection in Java
- 3. write a program to find the largest number from a given integer array

23.

- 1. write a short note on Thread lifecycle with suitable diagrams
- 2. write short notes on daemon threads
- 3. write short notes on constuctors and overloading of constructors
- 4. write an applet to draw a rectangle

24.

- 1. write short note on exception handling in Java
- 2. what is the advantage of finally clause
- 3. what is the difference between keywords throw and throws?
- 4. Write a program to display a specified text file on console. Assume that the name of the file is specified as a commandline argument

25.

- 1. write a short note on elements of a jsp page
- 2. write a short note on different layout managers
- 3. write a short note on JSP implicit objects
- 4. write short note on Servlet lifecyclewith suitable diagram