1.Output of following Java Program?

|  |
| --- |
| class Base {      public void show() {         System.out.println("Base::show() called");      }  }    class Derived extends Base {      public void show() {         System.out.println("Derived::show() called");      }  }    public class Main {      public static void main(String[] args) {          Base b = new Derived();;          b.show();      }  } |

2.Which of the following is true about inheritance in Java.

1) In Java all classes inherit from the Object class directly or indirectly. The Object class is root of all classes.

2) Multiple inheritance is not allowed in Java.

3) Unlike C++, there is nothing like type of inheritance in Java where we can specify whether the inheritance is protected, public or private

3. final class Complex {

    private final double re;

    private final double im;

    public Complex(double re, double im) {

        this.re = re;

        this.im = im;

    }

    public String toString() {

        return "(" + re + " + " + im + "i)";

    }

}

class Main {

  public static void main(String args[])

  {

       Complex c = new Complex(10, 15);

       System.out.println("Complex number is " + c);

  }

}

4. Which of these keywords is used to refer to member of base class from a sub class?  
a) upper  
b) super  
c) this  
d) none of the mentioned

5. class A

{

int i;

void display()

{

System.out.println(i);

}

}

class B extends A

{

int j;

void display()

{

System.out.println(j);

}

}

class inheritance\_demo

{

public static void main(String args[])

{

B obj = new B();

obj.i=1;

obj.j=2;

obj.display();

}

}

6. Find the output

HashMap<Integer,String> map=new HashMap<Integer,String>();

map.put(21312,"Vimala");

map.put(43212,null);

map.put(null,"Anu");

map.put(null,null);

map.put(32122,"Geetha");

System.out.println(map);

7. Find the output

TreeSet<Integer> list=new TreeSet<Integer>();

list.add(23);

list.add(55);

list.add(99);

list.add(44);

list.add(2,88);

list.remove(1) ;

System.out.println(list );

8. Find the output

int eid[]=new int[]{22,33,44};

System.out.println(eid[22]);

9. Find the output

class Hr{

public Hr(String hrApproval){

System.out.println("HR Approval:"+hrApproval);

}

}

class Finance extends Hr{

public Finance(int fid){

super("Accepted");

System.out.println("Finanace id:"+fid);

}

public static void main(String[] args) {

Finance fin=new Finance(22);

}

}

10. Find the output

class Employe{

int eid=2222;

public void fun(){

System.out.println("Parent class");

}

}

class Manager extends Employe{

String designation="PD";

public void fun(){

System.out.println("Child class");

}

}

class Organisation{

public static void main(String[] args) {

Employe e=new Manager();

m.fun1();

}}

11.Find the output

String s=new String("java");

String s1=new String("java1");

if(s==s1)

System.out.println("equal");

else

System.out.println("notequal");

if(s.equals(s1))

System.out.println("obj equ");

else

System.out.println("obj not eql");