OOPs Multiple Choice Questions on Class Components (Using Java)

1. What will be the output of the following Java code?

```
class Books
{
    abstract int price;
    Books(int p)
    {
        this.price = p;
    }
    public void getPrice()
    {
        System.out.println("Price: "+this.price);
    }
}
public class AbstractDataMembers
{
    public static void main(String[] args)
    {
        Books b = new Books(20);
        b.getPrice();
    }
}
```

a) Price: 20
b) 20
c) Compilation error
d) Runtime error
View Answer

2. What will be the output of the following Java code?

```
import java.io.*;
class TransientVariables implements Serializable
{
    int num1 = 20;
    transient int num2 = 30;
    public static void main(String[] args) throws Exception
    {
        TransientVariables t = new TransientVariables();
        FileOutputStream fo = new FileOutputStream("input.txt");
        ObjectOutputStream oo = new ObjectOutputStream(fo);
        oo.writeObject(t);
        FileInputStream fi = new FileInputStream("input.txt");
        ObjectInputStream oi = new ObjectInputStream(fi);
        TransientVariables t1 = (TransientVariables) oi.readObject();
        System.out.println("num1: " + t1.num1);
        System.out.println("num2: " + t1.num2);
    }
}
```

a)

num1: 20

num2: 30

b)

num1: 0

num2: 30

c)

num1: 20

num2: 0

d)

num1: 0

num2: 0

View Answer

3. What will be the output of the following Java code?

```
//Create a directory/folder named p1, and save a Java file(Vehicle.java)
package p1;
public class Vehicle
{
    protected int color;
    protected int speed = 10;
}
//Create another directory named p2, and save a Java
file(ProtectedVariables.java) and make sure that two packages should be under
the same root directory.
//another program
package p2;
import p1.Vehicle; //import package p1
public class ProtectedVariables extends Vehicle
{
    public static void main(String[] args)
    {
        ProtectedVariables p = new ProtectedVariables();
        System.out.println("Speed: "+p.speed);
    }
}
```

a) Speed: 10
b) Compilation error
c) Runtime error
d) Speed: 0
View Answer
4. What will be the output of the following Java code?

```
class Book
{
    String title;
    String author;
    Book(String t)
    {
        this.title = t;
    }
}
public class InstanceMembers
{
    public static void main(String[] args)
    {
        Book b = new Book("Java Programming");
        System.out.println("Book Title: "+Book.title);
    }
}
```

a) Book Title: Java Programming
b) Compilation error
c) Runtime error
d) Java Programming
View Answer
5. What will be the output of the following Java code?

```
class Employee
{
    int salary = 1000000;
    static float experience = 4.5f;
}
public class StaticDatamembers
{
    public static void main(String[] args)
    {
        Employee e = new Employee();
        System.out.println(e.experience);
        System.out.println(Employee.experience);
    }
}
```

a)

4.5

4.5

b)

4.5

Compilation error

c)

Compilation error

4.5

d) Runtime error
View Answer
6. What will be the output of the following Java code?

```
class Student
{
    protected String name = "Java";
}
class ProtectedVariables
{
    public static void main(String[] args)
    {
        Student s = new Student();
        System.out.println(s.name);
    }
}
```

a) Compilation error
b) Runtime error
c) Instance variables cannot be protected
d) Java
View Answer
7. What will be the output of the following Java code?

```
class Area
{
    int side;
    public int squareArea()
    {
        int a = this.side * this.side;
        return a;
    }
}
public class InstanceVariables
{
    public static void main(String[] args)
    {
        Area a = new Area();
```

```
        System.out.println("Area: "+a.squareArea());
    }
}
```

a) Initialize instance variables before use
b) Compilation error
c) Area: 0
d) Runtime error

View Answer

8. What will be the output of the following Java code?

```
class Distance
{
    int time;
    static int speed = 10;
    static
    {
        int d = speed * time;
    }
}
public class StaticVariables
{
    public static void main(String[] args)
    {
        Distance d = new Distance();
        System.out.println("Speed: "+d.speed);
        System.out.println("Time: "+d.time);
    }
}
```

a) Speed: 10
b) Compilation error
c) Runtime error
d)

Speed: 10

Time: 0

View Answer

9. What will be the output of the following Java code?

```
class Interest
{
    int principal = 1000;
    int time = 2;
    static int rate = 3;
    static
    {
        Interest i = new Interest();
        int interest = (i.principal * i.time * rate)/100;
        System.out.println("Simple Interest: "+interest);
```

```
    }
}
public class StaticMembers
{
    public static void main(String[] args)
    {
        Interest i = new Interest();
    }
}
```

a) Simple Interest: 600
b) Compilation error
c) Runtime error
d) Simple Interest: 60
View Answer

10. What will be the output of the following Java code?

```
import java.io.*;
class TransientAndFinal implements Serializable
{
    int num1 = 50;
    transient final int num2 = 100;
    public static void main(String[] args) throws Exception
    {
        TransientAndFinal t = new TransientAndFinal();
        FileOutputStream fo = new FileOutputStream("input.txt");
        ObjectOutputStream oo = new ObjectOutputStream(fo);
        oo.writeObject(t);
        FileInputStream fi = new FileInputStream("input.txt");
        ObjectInputStream oi = new ObjectInputStream(fi);
        TransientAndFinal t1 = (TransientAndFinal) oi.readObject();
        System.out.println("num1: " + t1.num1);
        System.out.println("num2: " + t1.num2);
    }
}
```

a)

num1: 50

num2: 100

b)

num1: 0

num2: 100

c)

num1: 50

num2: 0

d)

num1: 0

num2: 0

1. What is the output of the following Java code?

```
class Function
{
  void Print()
  {
        System.out.println("Hello World!");
  }
  public static void main(String[] args)
  {
        Function obj=new Function();
        obj.Print();
  }
}
```

a) Hello World
b) Compilation error
c) Null
d) Hello World!
View Answer
2. What is the output of the following Java code?

```
class TestCase
{
    public static void main(String[] args)
    {
        Function();
    }
    private static void Function()
    {
        System.out.println("Print successful!");
    }
}
```

a) Print successful!
b) Compilation error
c) Null
d) Garbage Value
View Answer
3. What is the output of the following Java code?

```
class MinMax
{
   public static void main(String[] args)
   {
      int a = 12;
      int b = 8;
      int c = Calc(a, b);
      System.out.println(c);
   }
   public static int Calc(int n1, int n2)
   {
      int min;
      if (n1 > n2)
      {
          min = n2;
      }
      else
      {
          min = n1;
      }
      return min;
   }
}
```

a) 12
b) 8
c) Garbage Value
d) Compilation error

View Answer

4. What is the output of the following Java code?

```
class SubtractionofNum
{
    public static void main(String[] args)
    {
        Prog1 obj=new Prog1();
        obj.callSub();
    }
    public void callSub()
    {
        int theSum = sub(7, 3);
        System.out.print(theSum);
    }

    public int sub(int value1, int value2)
    {
        return (value1 - value2);
    }
}
```

a) 4
b) Null
c) Compilation error
d) -4

View Answer

5. What is the output of the following Java code?

```
class Depreciation
{
    public static void main(String arg[])
    {
        int amount, dep, year;
        System.out.println(Depreciation.Calc(10000, 10, 1));
    }
    static int Calc(int amount, int dep, int year )
    {
        for(int i=0;i<year;i++)
        {
            amount=((100-dep)*amount)/100;
        }
        return amount;
    }
}
```

a) 9000
b) 8000
c) 10000
d) 1000
View Answer

6. What is the output of the following Java code?

```
class Triangle
{
   public static void main(String args[])
   {
       Triangle obj=new Triangle();
       obj.Area(10, 15.0);
   }
   void Area(int b,int h)
   {
      double area=(b*h)/2;
      System.out.println(area);
   }
}
```

a) 75
b) 150
c) Garbage Value
d) Compilation error
View Answer

7. What is the output of the following Java code?

```
class TriangleArea extends Square
{
   void Area(int b, int h)
   {
        double area=(b*h)/2;
        System.out.println(area);
```

```
    }
    public static void main(String args[])
    {
         TriangleArea obj=new TriangleArea();
         obj.Area(5);
    }
}
class Square
{
    void Area(int l)
    {
         System.out.println(l*l);
    }
}
```

a) 25
b) 0
c) 12
d) Compilation error
View Answer

8. What is the output of the following Java code?

```
class Perimeter
{
    static double area(double l, double b)
    {
        double a=2*(l+b);
        return a;
    }
    public static void main(String args[])
    {
        System.out.println(Perimeter.area(10, 20));
    }
}
```

a) 60
b) 30
c) 200
d) Compilation error
View Answer

9. What is the output of the following Java code?

```
class Conversion
{
    double celsius(double f)
    {
        return (f-32)*5/9;
    }
    public static void main(String args[])
    {
        Conversion obj=new Conversion();
        double result=obj.celsius(100);
        System.out.println(result);
    }
```

```
}
```

a) 212
b) 37.777
c) 100
d) Compilation error

View Answer

10. What is the output of the following Java code?

```
class HCF
{
    void Prime()
    {
        int n1=10;
        int n2=6;
        int temp;
        while (n2 != 0)
        {
            temp = n2;
            n2 = n1% n2;
            n1 = temp;
        }
        System.out.println(n1);
    }
    public static void main(String args[])
    {
        HCF obj=new HCF();
        obj.Prime();
    }
}
```

a) 3
b) 2
c) 6
d) 10

View Answer

11. What is the output of the following Java code?

```
class Time
{
    int sec;
    void seconds(int m)
    {
        sec=m*60;
        System.out.println(sec);
    }
    public static void main(String[] args)
    {
        int min=60;
        Time obj=new Time();
        obj.seconds(min);
    }
}
```

a) 1
b) 3600
c) 360
d) Compilation error
View Answer
12. What is the output of the following Java code?

```
class Loop
{
    void loop()
    {
        for(int i = 0;i!=0;i++);
        {
            System.out.println("Hello");
            break;
        }
        System.out.println("Done");
    }
    public static void main(String[] args)
    {
        Method obj=new Method();
        obj.loop();
    }
}
```

a)

Hello

Done

b)

Hello

Hello

Done

c) Done
d) Compilation error
View Answer
13. What is the output of the following Java code?

```
class Sum
{
    static int sum(int num)
    {
        int sum=0;
```

```
        while(num!=0)
        {
            sum=sum + (num%10);
            num=num/10;
        }
        return sum;
    }
    public static void main(String arg[])
    {
        System.out.println(sum(195));
    }
}
```

a) 15
b) 14
c) Compilation error
d) 0

View Answer

14. What is the output of the following Java code?

```
class Circle
{
    public static void main(String args[])
    {
        System.out.println(Circle.circum(7));
    }
    public static double circum(double r)
    {
        double  a=(22*2*r)/7;
        return a;
    }
}
```

a) 44
b) 44.0
c) 484
d) Compilation error

View Answer

15. What is the output of the following Java code?

```
class LeapYear
{
    static int flag=0;
    public static void main(String arg[])
    {
        System.out.print(leap(2004));
        System.out.print(leap(2000));
        System.out.print(leap(1900));
    }
    static int leap(int year)
    {
        if(year!=0)
        {
            if(year%400==0)
```

```
            {
                flag=1;
            }
            else if(year%100==0)
            {
                flag=0;
            }
            else if(year%4==0)
            {
                flag=1;
            }
            else
            {
                flag=0;
            }
        }
        return flag;

    }
}
```

a) 110
b) 111
c) 001
d) Compilation error

1. What is the output of the following Java code?

```
class Constructor
{
    int x;
    public Constructor()
    {
        x = 5;
    }
    public static void main(String[] args)
    {
        Constructor obj = new Constructor();
        System.out.println(obj.x);
    }
}
```

a) 5
b) 0
c) Garbage Value
d) -1
View Answer
2. What is the output of the following Java code?

```
class Constructor
{
    int x;
    public void Constructor()
    {
```

```
        x = 5;
    }
    public static void main(String[] args)
    {
        Constructor obj = new Constructor();
        System.out.println(obj.x);
    }
}
```

a) 5
b) 0
c) Garbage Value
d) -1

View Answer

3. What is the output of the following Java code?

```
class Constructor
{
    static int x = 1;
    public  Constructor()
    {
        x = 5;
    }
    public static void main(String[] args)
    {
        Constructor obj = new Constructor();
        System.out.println(obj.x);
    }
}
```

a) 5
b) 0
c) 1
d) -1

View Answer

4. What is the output of the following Java code?

```
class Constructor
{
    static int x = 1;
    public  Constructor(int n)
    {
        x = n;
    }
    public static void main(String[] args)
    {
        Constructor obj = new Constructor(4);
        System.out.println(obj.x);
    }
}
```

a) 5
b) 0
c) 1

d) 4
View Answer
5. What is the output of the following Java code?

```
class Constructor
{
    int x=1;
    public Constructor(int n)
    {
        x=x+n;
    }
    public static void main(String[] args)
    {
        Constructor obj = new Constructor(3);
        System.out.println(obj.x);
    }
}
```

a) 5
b) 0
c) 1
d) 4
View Answer
6. What is the output of the following Java code?

```
class Constructor
{
    final int x=1;
    public Constructor(int n)
    {
        x=x+n;
    }
    public static void main(String[] args)
    {
        Constructor obj = new Constructor(3);
        System.out.println(obj.x);
    }
}
```

a) 5
b) Compilation error
c) Garbage Value
d) 4
View Answer
7. What is the output of the following Java code?

```
class Constructor
{
    private int x;
    private Constructor()
    {
        System.out.println("Constructor Called");
        x = 10;
```

```
    }
   public static void main(String[] args)
   {
       Constructor obj = new Constructor();
       System.out.println("Value of x = " + obj.x);
   }
}
```

a) 5
b) Compilation error
c) 10
d) 4

View Answer

8. What is the output of the following Java code?

```
class Constructor
{
    private int x;
    private Constructor()
    {
        System.out.println("Constructor Called");
        x = 15;
    }
}
class Main
{
   public static void main(String[] args)
   {
       Constructor obj = new Constructor();
       System.out.println("Value of x = " + obj.x);
   }
}
```

a) 5
b) Compilation error
c) 10
d) 4

View Answer

9. What is the output of the following Java code?

```
class Name
{
    Name(String str)
    {
        System.out.println(str);
    }
    public static void main(String args[])
    {
        Name ob=new Name("Dravid");
    }
}
```

a) Dravid
b) Compilation error

c) Garbage value
d) Null
View Answer
10. What is the output of the following Java code?

```
class Name
{
    String str="abc";
    Name()
    {
        System.out.println(str);
    }
    public static void main(String args[])
    {
        Name ob=new Name();
    }
}
```

a) abc
b) Null
c) Compilation error
d) -1
View Answer
11. What is the output of the following Java code?

```
class Main
{
    int x=5;
    Main()
    {
        this.x = 7;
    }
    public static void main(String[] args)
    {
        Main obj = new Main();
        System.out.println(obj.x);
    }
}
```

a) 5
b) Compilation error
c) 12
d) 7
View Answer
12. What is the output of the following Java code?

```
class Main
{
    int x=10;
    Main()
    {
        this.x = x;
    }
```

```
    public static void main(String[] args)
    {
        Main obj = new Main();
        System.out.println(obj.x);
    }
}
```

a) 5
b) Compilation error
c) Garbage value
d) 10

View Answer

13. What is the output of the following Java code?

```
class Main
{
    int x=10;
    Main()
    {
        System.out.print(x+" ");
    }
    Main(int x)
    {
        this.x = x;
        System.out.print(x+" ");
    }
    public static void main(String[] args)
    {
        Main obj = new Main(15);
        System.out.println(obj.x);
    }
}
```

a) Garbage value
b) 10
c) -1
d) 15

View Answer

14. What is the output of the following Java code?

```
class Main
{
    int x=7;
    Main()
    {
        System.out.print(x+" ");
    }
    Main(int x)
    {
        this.x = x;
        System.out.print(x+" ");
    }
    public static void main(String[] args)
    {
```

```
        Main obj = new Main(5);
        Main obj2= new Main();
    }
}
```

a) Garbage value
b) 7 5
c) 5 7
d) 5
View Answer

15. What is the output of the following Java code?

```
class Constructor
{
    int x=10;
    public void Constructor(int x)
    {
        this.x = x;
        System.out.print(x+" ");
    }

    public static void main(String[] args)
    {
        Constructor obj = new Constructor();
        System.out.println(obj.x);
    }
}
```

a) 10
b) Garbage value
c) Compilation error
d) 10 10

1. What is the output of the following Java code?

```
class Constructor
{
    String name;
    ConstructorName()
    {
        this.name = "A";
    }
    public static void main(String[] args)
    {
        ConstructorName obj = new ConstructorName();
        System.out.println(obj.name);
    }
}
```

a) A
b) Null
c) ” ”
d) Compilation error
View Answer

2. What is the output of the following Java code?

```
class ConstructorDisplay
{
    int id;
    void display()
    {
        System.out.println(id);
    }
    public static void main(String args[])
    {
        ConstructorDisplay obj1=new ConstructorDisplay();
        obj1.display();
    }
}
```

a) 0
b) ” ”
c) Garbage Value
d) Compilation Error
View Answer

3. What is the output of the following Java code?

```
class ConstructorPrint
{
    float f;
    void Print()
    {
        System.out.println(f);
    }
    public static void main(String args[])
    {
        ConstructorPrint obj1=new ConstructorPrint();
        obj1.Print();
    }
}
```

a) 0
b) 0.0f
c) 0.0
d) Compilation Error
View Answer

4. What is the output of the following Java code?

```
class ConstructorString
{
    String s;
    ConstructorString(String str)
    {
        System.out.println(str);
    }
    public static void main(String args[])
    {
```

```
        ConstructorString obj1=new ConstructorString();
    }
}
```

a) 0
b) Null
c) Garbage Value
d) Compilation Error

View Answer

5. What is the output of the following Java code?

```
class Parameterised
{
    String str="Hello";
    Parameterised(String str)
    {
        System.out.println(this.str);
    }
    public static void main(String args[])
    {
        Parameterised obj1=new Parameterised("World");
    }
}
```

a) Hello
b) World
c) Null
d) Compilation Error

View Answer

6. What is the output of the following Java code?

```
class Add
{
    int  a;
    int  b;
    Add(int x, int y)
    {
        a = x;
        a = a + 10;
        b = y;
        System.out.println(x+" "+y);
    }
    public static void main(String args[])
    {
        Add obj1 = new Add(10,20);
    }
}
```

a) 10 20
b) 20 20
c) Null
d) Compilation

View Answer

7. What is the output of the following Java code?

```
class Parameterised2
{
    int num=8;
    Parameterised2(int num)
    {
        this.num=num;
        System.out.println(this.num);
    }
    public static void main(String args[])
    {
        Parameterised2 obj1=new Parameterised2(10);
    }
}
```

a) 8
b) 10
c) 0
d) Compilation Error
View Answer

8. What is the output of the following Java code?

```
class Parameterised3
{
    int  num1;
    int  num2;
    Parameterised3(int y, int x)
    {
        num1 = x;
        num2 = y;
        System.out.println(num2);
    }
    public static void main(String args[])
    {
        Parameterised3 obj1 = new Parameterised3(40, 80);
    }
}
```

a) 40
b) 80
c) Null
d) Compilation Error
View Answer

9. What is the output of the following Java code?

```
class Parameter
{
    int num=10;
    Parameter()
    {
        System.out.print(num+" ");
    }
```

```
    Parameter(int num)
    {
        this.num = num;
        System.out.print(num+" ");
    }
    public static void main(String[] args)
    {
        Parameter obj = new Parameter();
        System.out.println(obj.num);
    }
}
```

a) 10
b) Null
c) -1
d) Compilation Error

View Answer

10. What is the output of the following Java code?

```
class ConstructorCall
{
    int x, y;
    public ConstructorCall(int x, int y)
    {
        this.x = x;
        this.y = y;
        System.out.println(x);
    }
    public static void main(String args[])
    {
        ConstructorCall p = new ConstructorCall();
    }
}
```

a) Null
b) Compilation Error
c) 0
d) Garbage Value

View Answer

11. What is the output of the following Java code?

```
class NoArgs
{
    private int data;
    private NoArgs()
    {
        data = 5;
    }
}
public class NoArgsCall
{
    public static void main(String[] args)
    {
        NoArgs obj = new NoArgs();
```

```
        System.out.println(obj.data);
    }
}
```

a) 5
b) 0
c) Garbage Value
d) Compilation Error
View Answer

12. What is the output of the following Java code?

```
class DefaultConstructor
{
    boolean ch;
    public static void main(String[] args)
    {
        DefaultConstructor obj = new DefaultConstructor();
        System.out.println(obj.ch);

    }
}
```

a) false
b) true
c) 0
d) 1
View Answer

13. What is the output of the following Java code?

```
class Derived extends Base
{
    Derived()
    {
        System.out.print("D");
    }
}
class Base
{
    Base()
    {
        System.out.print("B");
    }
}
class MainMethod
{
    public static void main(String[] args)
    {
        Derived obj1=new Derived();
    }
}
```

a) BD
b) DB
c) Compilation Error

d) BDB
View Answer
14. What is the output of the following Java code?

```
class Derived extends Base
{
    Derived()
    {
        System.out.print("D");
    }
}
class Base
{
    Base()
    {
        System.out.print("B");
    }
}
class FunctionCall
{
    public static void main(String[] args)
    {
        Base obj1=new Base();
    }
}
```

a) B
b) D
c) BD
d) Compilation Error
View Answer
15. What is the output of the following Java code?

```
class Default
{
    Default d;
    float f;
}
class InstanceVariables
{
    public static void main(String args[])
    {
        Default obj = new Default();
        System.out.print(obj.d+" ");
        System.out.println(obj.f);
    }
}
```

a) Null 0f
b) Null 0.0
c) -1 0.0f
d) -1 0.0

1. What is the output of the following Java code?

```
class StudentData
{
   int ID;
   String Name;
   int Age;
   StudentData()
   {
       ID = 100;
       Name = "New";
       Age = 18;
   }
   StudentData(int num1, String str, int num2)
   {
       ID = num1;
       Name = str;
       Age = num2;
       System.out.println(ID);
   }
   public static void main(String args[])
   {
       StudentData obj = new StudentData();
       StudentData obj2 = new StudentData(14, "Dravid", 25);
  }
}
```

a) 14
b) 100
c) 1400
d) 14100

View Answer

2. What is the output of the following Java code?

```
class PrintNumber
{
    float num;
    public PrintNumber(int num)
    {
        this.num=num;
    }
    public PrintNumber(float num)
    {
        this.num=num;
    }
    void Display()
    {
        System.out.println(num);
    }
    public static void main(String[] args)
    {
        PrintNumber obj=new PrintNumber(2);
        PrintNumber obj1=new PrintNumber(2.0f);
        obj1.Display();
    }
```

```
}
```

a) 2.0
b) 2
c) 2.0f
d) 2.0d

View Answer

3. What is the output of the following Java code?

```
class Overload
{
    float num;
    int x;
    public Overload(int num)
    {
        x=num;
    }
    public Overload(float num)
    {
        this.num=num;
    }
    void Display()
    {
        System.out.println(num);
    }
    public static void main(String[] args)
    {
        Overload obj=new Overload(2);
        Overload obj1=new Overload(2.0);
        obj1.Display();
    }
}
```

a) 2.0
b) Compilation Error
c) 2.0f
d) 2.0d

View Answer

4. What is the output of the following Java code?

```
class Sum
{
    private int num;
    Sum(int rn)
    {
        num = num + rn;
    }
    public static void main(String args[])
    {
        Sum obj = new Sum();
    }
}
```

a) 0
b) Null
c) Compilation Error
d) Garbage Value
View Answer
5. What is the output of the following Java code?

```
class Division
{
    int num;
    Division(int div)
    {
        num = div/num;
    }
    public static void main(String args[])
    {
        Division obj = new Division(50);
    }
}
```

a) 50
b) 0
c) Compilation Error
d) Null
View Answer
6. What is the output of the following Java code?

```
class Cricket
{
    int runs,balls;
    Cricket(char x)
    {
        x=5;
    }
    Cricket(int runs, int balls)
    {
        int strikerate = runs/balls * 100;
    }

    public static void main(String args[])
    {
        Cricket obj = new Cricket(50);
    }
}
```

a) 50
b) Infinite
c) Compilation Error
d) 0
View Answer
7. What is the output of the following Java code?

```
class Cricket2
{
    int runs,balls;
    Cricket2()
    {
        runs=0;
    }
    Cricket2(int runs, int balls)
    {
        int strikerate = runs/balls * 100;
        System.out.println(strikerate);
    }
    public static void main(String args[])
    {
        Cricket2 obj = new Cricket2(50, 50);
    }
}
```

a) 1
b) 100
c) Compilation Error
d) 50
View Answer

8. What is the output of the following Java code?

```
class Data
{
    int num;
    Data()
    {
        num=0;
    }
    Data(int num)
    {
        System.out.println(num);
    }
    public static void main(String args[])
    {
        Data obj = new Data();
    }
}
```

a) 0
b) Garbage Value
c) Compilation Error
d) No Output
View Answer

9. What is the output of the following Java code?

```
class Display
{
    long num;
    Display()
    {
```

```
        num=0;
        System.out.println(num);
    }
    Display(long num)
    {
        System.out.println(num);
    }
    public static void main(String args[])
    {
        Display obj = new Display(75);
    }
}
```

a) 75
b) 0
c) Null
d) Compilation Error

View Answer

10. What is the output of the following Java code?

```
class DefaultConstructor
{
    float num;
    public DefaultConstructor(int num)
    {
        this.num=num;
    }
    public DefaultConstructor(float num)
    {
        this.num=num;
    }
    void Display()
    {
        System.out.println(num);
    }
    public static void main(String[] args)
    {
        DefaultConstructor obj2=new DefaultConstructor(3);
        obj2.Display();
    }
}
```

a) 3
b) 0
c) Null
d) Compilation Error

View Answer

11. What is the output of the following Java code?

```
class Cube
{
    float num;
    public Cube(int num)
    {
```

```
        this.num=num*num*num;
    }
    public Cube(char num)
    {
        this.num=num*num*num;
    }
    void Display()
    {
        System.out.println(num);
    }
    public static void main(String[] args)
    {
        Cube obj=new Cube(3.0);
        obj.Display();
    }
}
```

a) 27.0
b) 27
c) Compilation error
d) 0

View Answer

12. What is the output of the following Java code?

```
class Triangle extends Square
{
    Triangle(int b,int h)
    {
        double area=(b*h)/2;
        System.out.println(area);
    }
    public static void main(String args[])
    {
        Square obj=new Square(5);
    }
}
class Square
{
    Square(int l)
    {
        System.out.println(l*l);
    }
}
```

a) 25
b) 12.5
c) 12
d) Compilation Error

View Answer

13. What is the output of the following Java code?

```
 class Even
{
    long num;
```

```
    Even()
    {
        if(num%2 == 0)
            System.out.println(num--);
    }
    Even(long num)
    {
        System.out.println(num);
    }
    public static void main(String args[])
    {
        Even obj = new Even(6);
    }
}
```

a) 5
b) 6
c) 0
d) Compilation error

View Answer

14. What is the output of the following Java code?

```
class Number
{
    long num;
    Number(float num)
    {
        System.out.println(num--);
    }
    Number(char num)
    {
        System.out.println(num);
    }
    public static void main(String args[])
    {
        Number obj = new Number(6.0);
    }
}
```

a) 5.99
b) 6.0
c) Compilation Error
d) Garbage Value

View Answer

15. What is the output of the following Java code?

```
class Unary
{
    protected int num;
    Unary(float num)
    {
        System.out.println(num--);
    }
    Unary(double num)
```

```
    {
        System.out.println(++num);
    }
    public static void main(String args[])
    {
        Unary obj = new Unary(6.0);
    }
}
```

a) 7.0
b) 7
c) 6.0
d) 5.0

1. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s = s;
    }
    Main(Main a)
    {
        s = a.s;
    }
    void Print()
    {
        System.out.println(s);
    }
    public static void main(String[] args)
    {
        Main a = new Main("Sanfoundry");
        Main b = new Main(a);
        b.Print();
    }
}
```

a) Compilation Error
b) Runtime Error
c) a
d) Sanfoundry

View Answer

2. What will be the output of the following Java code?

```
public class Main
{
    int a;
    Main(int a)
    {
        this.a = a;
    }
    Main(Main s)
```

```
    {
        a = 10;
    }
    void disp()
    {
        System.out.println(a);
    }
    public static void main(String[] args)
    {
        Main a = new Main(20);
        Main b = new Main(a);
        a.disp();
        b.disp();
    }
}
```

a)

10

10

b)

20

20

c)

20

10

d)

10

20

View Answer

3. What will be the output of the following Java code?

```
public class Main
{
    int a;
    int b;
```

```
    Main(int a, int b)
    {
        this.a = a;
        this.b = b;
    }
    Main(Main s)
    {
        a = s.a;
        b = s.b;
    }
    void Set()
    {
        a = 10;
        b = 20;
    }
    void calc()
    {
        System.out.println(a*b);
    }
    public static void main(String[] args)
    {
        Main a = new Main(20, 30);
        Main b = new Main(a);
        a.calc();
        a.Set();
        b.calc();
    }
}
```

a)

600

200

b)

200

200

c)

600

600

d)

200

600

View Answer

4. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s = s;
    }
    Main(Main a)
    {
        s = a.s;
    }
    void pos(int a)
    {
        System.out.println(s.charAt(a));
    }
    public static void main(String[] args)
    {
        Main a = new Main("Copy Constructor");
        Main b = new Main(a);
        b.pos(6);
    }
}
```

a) Compilation Error
b) C
c) o
d) a

View Answer

5. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s = s;
    }
    Main(Main a)
    {
        s = a.s;
    }
    void print()
    {
        System.out.println(this);
    }
    public static void main(String[] args)
```

```
    {
        Main a = new Main("Copy Constructor");
        Main b = new Main(a);
        a.print();
        b.print();
    }
}
```

a) Compilation Error
b)

Copy Constructor

Copy Constructor

c)

Main@2a139a55

Main@15db9742

d)

Main@15db9742

Main@15db9742

View Answer

6. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s = s;
    }
    void print()
    {
        System.out.println(this);
    }
    public static void main(String[] args)
    {
        Main a = new Main("Copy Constructor");
        Main b = a;
        a.print();
        b.print();
    }
}
```

a) Compilation Error
b)

Copy Constructor

Copy Constructor

c)

Main@2a139a55

Main@2a139a55

d)

Main@2a139a55

Main@15db9742

View Answer

7. What will be the output of the following Java code?

```
public class Main
{
    int a;
    Main(int a)
    {
        this.a = a;
    }
    Main(Main s)
    {
        a = s.a;
    }
    void set()
    {
        a = 40;
    }
    void display()
    {
        System.out.println(a);
    }
    public static void main(String[] args)
    {
        Main a = new Main(10);
        Main b = new Main(a);
        Main c = a;
        a.display();
        a.set();
        b.display();
```

```
        c.display();
    }
}
```

a)

10

10

10

b)

10

40

40

c)

10

10

40

d) Compilation Error

View Answer

8. What will be the output of the following Java code?

```
public class Main
{
    char s;
    Main(char s)
    {
        this.s = s;
    }
    Main(Main a)
    {
        s = 's';
    }
    void Char()
    {
        System.out.println((int)s);
    }
```

```
    public static void main(String[] args)
    {
        Main a = new Main('S');
        Main b = new Main(a);
        a.Char();
        b.Char();
    }
}
```

a)

83

83

b) Compilation Error

c)

115

83

d)

83

115

View Answer

9. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
    Main(Main a)
    {
        l = (LinkedList) a.l.clone();
    }
    void push(int a)
    {
        l.add(a);
    }
    void size()
    {
```

```
        System.out.println(l.size());
    }
    public static void main(String[] args)
    {
        Main a = new Main(5);
        Main b = new Main(a);
        a.push(10);
        b.size();
        a.size();
    }
}
```

a)

0

1

b)

1

2

c)

2

2

d)

1

1

View Answer

10. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
```

```
    Main(Main a)
    {
        l = (LinkedList) a.l.clone();
    }
    void push(int a)
    {
        l.add(a);
    }
    void size()
    {
        System.out.println(l.size());
    }
    public static void main(String[] args)
    {
        Main a = new Main(10);
        Main b = a;
        a.push(20);
        b.size();
        a.size();
    }
}
```

a)

2

2

b)

1

2

c)

2

2

d)

1

1

View Answer

11. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
    Main(Main a)
    {
        l = (LinkedList) a.l.clone();
    }
    public static void main(String[] args)
    {
        Main a = new Main(5);
        Main b = new Main(a);
        System.out.println(b.getClass());
        System.out.println(a.getClass().getSuperclass());
    }
}
```

a)

class Main

class Object

b)

class Main

class java.io.Object

c)

class Main

class java.lang.Object

d) Compilation Error

View Answer

12. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
```

```
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
    Main(Main a)
    {
        l = (LinkedList) a.l.clone();
    }
    void className()
    {
        System.out.println(l.getClass());
        System.out.println(l.getClass().getSuperclass());
    }
    public static void main(String[] args)
    {
        Main a = new Main(5);
        Main b = a;
        b.className();
    }
}
```

a)

```
class java.lang.LinkedList
class java.lang.AbstractSequentialList
```

b)

```
class java.io.LinkedList
class java.io.AbstractSequentialList
```

c)

```
class java.util.LinkedList
class java.util.AbstractSequentialList
```

d) Compilation Error

View Answer

13. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
    Main(Main a)
    {
        l = (LinkedList) a.l.clone();
    }
    void push(int a)
    {
```

```
        l.add(a);
    }
    void print()
    {
        System.out.println(l);
    }
    public static void main(String[] args)
    {
        Main a = new Main(5);
        Main b = new Main(a);
        a.push(10);
        a.push(20);
        b.push(30);
        b.push(40);
        b.print();
        a.print();
    }
}
```

a)

{30, 40}

{5, 10, 20}

b)

{5, 30, 40}

{5, 10, 20}

c)

[30, 40]

[5, 10, 20]

d)

[5, 30, 40]

[5, 10, 20]

View Answer

14. What will be the output of the following Java code?

```
import java.util.*;
```

```java
public class Main
{
    int a,b;
    Main(int i, int j)
    {
        a=i;
        b=j;
    }
    Main(Main m)
    {
        a=m.a;
        b=m.b;
    }
    void change(int i, int j)
    {
        a=i;
        b=j;
    }
    public static void main(String[] args)
    {
        Main a = new Main(5, 10);
        Main b = new Main(a);
        System.out.println(a.a*a.b);
        System.out.println(b.a*b.b);
        a.change(30,40);
        System.out.println(b.a*b.b);
    }
}
```

a)

50

50

50

b)

50

50

1200

c)

50

1200

1200

d)

50

1200

50

View Answer

15. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    int a,b;
    Main(int i, int j)
    {
        a=i;
        b=j;
    }
    Main(Main m)
    {
        a=m.a;
        b=m.b;
    }
    void push()
    {
        System.out.println(a<<b);
    }
    public static void main(String[] args)
    {
        Main a = new Main(27, 2);
        Main b = new Main(a);
        b.push();

    }
}
```

a) 108
b) 27
c) 216
d) Compilation Error

View Answer

1. What will be the output of the following Java code?

```
public class Main
```

```
{
    int a, b;
    Main(int i, int j)
    {
        a = i;
        b = j;
    }
    public static void main(String[] args)
    {
        Main a = new Main(27, 2);
        Main b = a;
        System.out.println(a.a);
        System.out.println(b.b);

    }
}
```

a)

27

2

b) Runtime Error

c) 2

27

d) Compilation Error

View Answer

2. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String a)
    {
        s = a;
    }
    public static void main(String[] args)
    {
        Main a = new Main("Assigning Object");
        Main b = a;
        System.out.println(b.s.charAt(4));
    }
}
```

a) n

b) Compilation Error

c) g

d) Runtime Error
View Answer
3. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    int a, b;
    Main(int a, int b)
    {
        this.a = a;
        this.b = b;
    }
    void area()
    {
        System.out.println(a*b);
    }
    public static void main(String[] args)
    {
        int height = 10;
        int breadth = 20;
        Main a = new Main(height, breadth);
        Main b = a;
        a.a = 30;
        b.b = 40;
        b.area();
    }
}
```

a) 200
b) 1200
c) 2400
d) 800
View Answer
4. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    int a, b;
    Main(int a, int b)
    {
        this.a = a;
        this.b = b;
    }
    Main(Main s)
    {
        a = s.a;
        b = s.b;
    }
    public static void main(String[] args)
    {
        Main x = new Main(20, 40);
        Main y = x;
```

```
        Main z = new Main(x);
        z.a = 15;
        System.out.println(x.a);
    }
}
```

a) 15
b) 20
c) 40
d) Compilation Error
View Answer

5. What will be the output of the following Java code?

```
public class Main
{
    int a, b;
    Main(int a, int b)
    {
        this.a = a;
        this.b = b;
    }
    void Print()
    {
        System.out.println(this);
    }
    public static void main(String[] args)
    {
        Main x = new Main(20, 40);
        Main y = x;
        y.Print();
    }
}
```

a) 20 40
b)

20

40

c) Main@2a139a55
d) Compilation Error
View Answer

6. What will be the output of the following Java code?

```
public class Main
{
    int a, b;
    Main(int a, int b)
    {
        this.a = a;
        this.b = b;
```

```
    }
    public static void main(String[] args)
    {
        Main x = new Main(40, 80);
        Main y = x;
        System.out.println(x);
        System.out.println(y);
    }
}
```

a)

Main@2a139a55

Main@4a210c21

b)

Main@2a139a55

Main@2a139a55

c)

20 40

20 40

d) Compilation Error

View Answer

7. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    String s;
    Main(String a)
    {
        s = a;
    }
    void Position(char a)
    {
        System.out.println(s.indexOf(a));
    }
    public static void main(String[] args)
    {
        Main a = new Main("Assigning Object");
        Main b = a;
        b.Position('i');
```

```
    }
}
```

a) 3
b) 6
c) 4
d) 7

View Answer

8. What will be the output of the following Java code?

```
public class Main
{
    char ch;
    Main(char a)
    {
        ch = a;
    }
    void Ascii()
    {
        System.out.println((int)ch);
    }
    public static void main(String[] args)
    {
        Main a = new Main('J');
        Main b = a;
        b.Ascii();
    }
}
```

a) 106
b) Compilation Error
c) Runtime Error
d) 74

View Answer

9. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    int a;
    Main(int i)
    {
        a = i;
    }
    public static void main(String[] args)
    {
        Main a = new Main(20);
        Main b = a;
        System.out.println(b.getClass());
        System.out.println(a.getClass().getSuperclass());
    }
}
```

a)

class Main

class Object

b)

class Main

class java.io.Object

c)

class Main

class java.lang.Object

d) Compilation Error
View Answer
10. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
    void push(int a)
    {
        l.add(a);
    }
    void print()
    {
        System.out.println(l);
    }
    public static void main(String[] args)
    {
        Main a = new Main(5);
        Main b = a;
        a.push(40);
        b.push(30);
        b.push(40);
        b.print();
        a.print();
    }
}
```

a)

[5, 40, 30, 40]

[5, 40, 30, 40]

b)

[5, 40]

[30, 40]

c)

[5, 40]

[5, 30, 40]

d) Compilation Error

View Answer

11. What will be the output of the following Java code?

```
public class Main
{
    int a, b;
    Main(int i, int j)
    {
        a = i;
        b = j;
    }
    public static void main(String[] args)
    {
        Main a = new Main(10, 2);
        Main b = a;
        b.a = 30;
        System.out.println(a.a<<b.b);
    }
}
```

a) 120
b) 40
c) 10
d) 20

View Answer

12. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
```

```
    Main(int i)
    {
        l.add(i);
    }
    public static void main(String[] args)
    {
        Main a = new Main(20);
        Main b = a;
        b.l.add(40);
        System.out.println(a.l);
        System.out.println(b.l);
    }
}
```

a)

[20, 40]

[20, 40]

b)

[20]

[40]

c)

[20]

[20, 40]

d) Compilation Error

View Answer

13. What will be the output of the following Java code?

```
import java.util.*;
public class Main
{
    LinkedList l = new LinkedList();
    Main(int i)
    {
        l.add(i);
    }
    void add(int a)
    {
        l.add(a);
    }
    void sum()
```

```
    {
        int sum = 0;
        Iterator i = l.iterator();
        while(i.hasNext())
            sum+ = (int)i.next();
        System.out.println(sum);
    }
    public static void main(String[] args)
    {
        Main a = new Main(35);
        Main b = a;
        a.add(45);
        b.add(32);
        b.add(64);
        a.add(23);
        a.sum();
        b.sum();
    }
}
```

a)

103

61

b)

199

199

c)

199

103

d) Compilation Error

View Answer

14. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String a)
    {
        s = a;
    }
```

```
    public static void main(String[] args)
    {
        Main a = new Main("Sanfoundry");
        Main b = a;
        System.out.println(a.s.indexOf('n'));
        System.out.println(b.s.indexOf('n', 3));
    }
}
```

a)

3

7

b)

3

3

c)

2

2

d)

2

6

View Answer

15. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String a)
    {
        s = a;
    }
    void change(String a)
    {
        s = a;
    }
```

```
    public static void main(String[] args)
    {
        Main a = new Main("San");
        Main b = a;
        b.change("foundry");
        System.out.println(b.s+a.s);
    }
}
```

a) Compilation Error
b) Sanfoundry
c) foundryfoundry
d) foundrySan

1. What will be the output of the following Java code?

```
public class Main
{
    String s="ABC";
    Main(String s)
    {
        this.s = s;
    }
    void print()
    {
        System.out.println(this.s);
    }
    public static void main(String[] args)
    {
        Main a = new Main("Sanfoundry");
        a.print();
    }
}
```

a) Compilation Error
b) Sanfoundry
c) Runtime Error
d) ABC

View Answer

2. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s = s;
    }
    void print()
    {
        System.out.println(this.s);
    }
    public static void main(String[] args)
    {
```

```
        Main a = new Main("San");
        Main b = new Main("foundry");
        a.print();
        b.print();
    }
}
```

a) Sanfoundry
b) Compilation Error
c)

San

foundry

d) Runtime Error
View Answer
3. What will be the output of the following Java code?

```
public class Main
{
    int a=100, b=200;
    void calculate(int a, int b)
    {
        System.out.println(a+b);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.calculate(20, 30);
    }
}
```

a) 300
b) 50
c) Compilation Error
d) Runtime Error
View Answer
4. What will be the output of the following Java code?

```
public class Main
{
    int a=500, b=300;
    void sum(int a, int b)
    {
        System.out.println(this.a+this.b);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.sum(45, 60);
    }
```

```
}
```

a) 105
b) 800
c) Runtime Error
d) Compilation Error

View Answer

5. What will be the output of the following Java code?

```
public class Main
{
    int breadth, height;
    void Area(int breadth, int height)
    {
        System.out.println(this.breadth*this.height);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.Area(20, 30);
    }
}
```

a) 0
b) 50
c) 600
d) Compilation Error

View Answer

6. What will be the output of the following Java code?

```
 public class Main
{
    String s;
    Main(String s)
    {
        this.s=s;
    }
    void position(char ch)
    {
        System.out.println(this.s.indexOf(ch));
    }
    public static void main(String[] args)
    {
        Main a = new Main("Sanfoundry");
        a.position('n');
    }
}
```

a) 2, 6
b) 2
c) 3, 7
d) 3

View Answer

7. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s=s;
    }
    void className()
    {
        System.out.println(this.s.getClass());
        System.out.println(this.s.getClass().getSuperclass());
    }
    public static void main(String[] args)
    {
        Main a = new Main("this");
        a.className();
    }
}
```

a)

String

Object

b)

```
class java.io.String
class java.io.Object
```

c)

```
class java.lang.String
class java.lang.Object
```

d)

```
class java.util.String
class java.util.Object
```

View Answer

8. What will be the output of the following Java code?

```
public class Main
{
    static class A
    {
        void print()
        {
            System.out.println(this.getClass());
```

```
            System.out.println(this.getClass().getSuperclass());
        }
    }
    public static void main(String[] args)
    {
        Main.A a = new Main.A();
        a.print();
    }
}
```

a)

class A

class Main

b)

class Main$A

class Main

c)

class Main$A

class java.lang.Object

d) Compilation Error

View Answer

9. What will be the output of the following Java code?

```
public class Main
{
    String s;
    Main(String s)
    {
        this.s=s;
    }
    void character(int a)
    {
        System.out.println(this.s.charAt(a));
    }
    public static void main(String[] args)
    {
        Main a = new Main("this keyword");
        a.character(6);
    }
}
```

a) e
b) y
c) k
d) Compilation Error
View Answer
10. What will be the output of the following Java code?

```
public class Main
{
    int a=10;
    static class A
    {
        int a=20;
        void display(int a)
        {
            System.out.println(this.a);
            System.out.println(a);
        }
    }
    public static void main(String[] args)
    {
        Main.A a = new Main.A();
        a.display(30);
    }
}
```

a)

10

20

b)

20

30

c)

10

30

d) Compilation Error
View Answer
11. What will be the output of the following Java code?

```
public class Main
{
    int a = 10;
    String s = "Sanfoundry"
    void display()
    {
        System.out.println(this);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.display();
    }
}
```

a) 10, “Sanfoundry”
b) 10 Sanfoundry
c) Main@2a139a55
d) Compilation Error
View Answer
12. What will be the output of the following Java code?

```
public class Main
{
    int a = 2;
    void Shift(int a)
    {
        System.out.println(this.a<<a);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.Shift(4);
    }
}
```

a) 32
b) 16
c) 8
d) Compilation Error
View Answer
13. What will be the output of the following Java code?

```
public class Main
{
    char ch = 'a';
    void print(char ch)
    {
        System.out.println((int)ch);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.print('c');
```

```
    }
}
```

a) 97
b) 99
c) 67
d) 65

View Answer

14. What will be the output of the following Java code?

```
public class Main
{
    int a = 102;
    void display(int a)
    {
        System.out.println((char)this.a);
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        a.display(105);
    }
}
```

a) f
b) i
c) F
d) I

View Answer

15. What will be the output of the following Java code?

```
public class Main
{
    String s="";
    void set(String s)
    {
        this.s = s;
    }
    void compare()
    {
        System.out.println(this.s.equals("Sanfoundry"));
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        Main b = new Main();
        a.set("Sanfoundry");
        b.compare();
    }
}
```

a) true
b) Compilation Error

c) false
d) Runtime Error

1. What will be the output of the following Java code?

```
public class Sanfoundry
{
    public static void main(String[] args)
    {
        String s = new String("Sanfoundry");
        System.out.println(s.charAt(2));
    }
}
```

a) Compilation Error
b) a
c) f
d) n
View Answer
2. What will be the output of the following Java code?

```
public class Java
{
    void print(String s)
    {
        System.out.println(s.indexOf('n'));
    }
    public static void main(String[] args)
    {
        Main a = new Main();
        String s = new String("Sanfoundry");
        a.print(s);
    }
}
```

a) 3
b) 2
c) 7
d) 6
View Answer
3. What will be the output of the following Java code?

```
public class Main
{
    String s = new String("Memory Allocation");
    void position()
    {
        System.out.println(s.indexOf('l'));
    }
    void replace()
    {
        s=s.replace("l", "L");
    }
```

```
    public static void main(String[] args)
    {
        Main a = new Main();
        a.replace();
        a.position();
    }
}
```

a) 8
b) 9
c) -1
d) Compilation Error

View Answer

4. What will be the output of the following Java code?

```
public class Memory
{
    String s = new String("Sanfoundry");
    void position()
    {
        System.out.println(s.indexOf('n'));
    }
    void replace()
    {
        s=s.replaceFirst("n", "N");
    }
    public static void main(String[] args)
    {
        Memory a = new Memory();
        a.replace();
        a.position();
    }
}
```

a) 3
b) 7
c) 6
d) -1

View Answer

5. What will be the output of the following Java code?

```
public class Malloc
{
    Integer h = new Integer(0);
    Integer b = new Integer(0);
    void Area()
    {
        System.out.println(h*b);
    }
    public static void main(String[] args)
    {
        Malloc a = new Malloc();
        a.h=10;
        a.b=20;
```

```
        a.Area();
    }
}
```

a) 0
b) Compilation Error
c) 200
d) Runtime Error
View Answer

6. What will be the output of the following Java code?

```
public class Java
{
    public static void main(String[] args)
    {
        Integer i = new Integer(10);
        Integer j = new Integer(3);
        System.out.println(i<<j);
    }
}
```

a) 20
b) 30
c) 80
d) 120
View Answer

7. What will be the output of the following Java code?

```
public class Memory
{
    public static void main(String[] args)
    {
        Integer i = new Integer(10);
        String s = new String("Sanfoundry");
        System.out.println(i.getClass().getSuperclass());
        System.out.println(s.getClass().getSuperclass());
    }
}
```

a)

```
class java.lang.Number
class java.lang.Object
```

b)

```
class java.io.Number
class java.io.Object
```

c)

```
class java.util.Number
class java.util.Object
```

d) Compilation Error
View Answer
8. What will be the output of the following Java code?

```
public class Ascii
{
    public static void main(String[] args)
    {
        Character ch = new Character('c');
        System.out.println((int)ch);
    }
}
```

a) 99
b) Compilation Error
c) 67
d) Runtime Error
View Answer
9. What will be the output of the following Java code?

```
import java.util.*;
public class list
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add(20);
        l.add(30);
        l.add(50);
        l.add(70);
        l.add(90);
        Collections.shuffle(l);
        System.out.println(l);
    }
}
```

a) [90, 20, 70, 30, 50]
b) [90, 30, 20, 50, 70]
c) [70, 30, 20, 50, 90]
d) Random order
View Answer
10. What will be the output of the following Java code?

```
import java.util.*;
public class lists
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add(28);
        l.add(41);
        l.add(4);
        l.add(3);
```

```
        l.add(10);
        l.remove(4);
        System.out.println(l);
    }
}
```

a) [28, 41, 4, 3]
b) [28, 41, 3, 10]
c) [28, 41, 4, 10]
d) Compilation Error
View Answer

11. What will be the output of the following Java code?

```
public class Char
{
    public static void main(String args[])
    {
        Integer i = new Integer(69);
        System.out.println((char)i);
    }
}
```

a) E
b) e
c) Runtime Error
d) Compilation Error
View Answer

12. What will be the output of the following Java code?

```
public class Sanfoundry
{
    public static void main(String args[])
    {
        String s = "Sanfoundry";
        String t = new String("Sanfoundry");
        System.out.println(s==t);
    }
}
```

a) true
b) Compilation Error
c) false
d) Runtime Error
View Answer

13. What will be the output of the following Java code?

```
public class Empty
{
    public static void main(String args[])
    {
        String s = new String("  ");
        System.out.println(s.isEmpty());
        System.out.println(s.trim().isEmpty());
```

```
    }
}
```

a)

true

true

b)

true

false

c)

false

false

d)

false

true

View Answer

14. What will be the output of the following Java code?

```
public class Objects
{
    public static void main(String args[])
    {
        Objects a = new Objects();
        Objects b = a;
        Objects c = new Objects();
        System.out.println(a);
        System.out.println(b);
        System.out.println(c);
    }
}
```

a)

Objects@2a139a55

Objects@2a139a55

Objects@15db9742

b)

Objects@15db9742

Objects@15db9742

Objects@15db9742

c)

Objects@2a139a55

Objects@15db9742

Objects@15db9742

d) Compilation Error

View Answer

15. What will be the output of the following Java code?

```
public class MemAlloc
{
    public static void main(String args[])
    {
        int a[]= new int[]{1, 2, 3, 4, 5};
        for(int i=1;i<=a.length;i++)
        {
            if(i%2==0)
            {
                System.out.println(a[i-1]);
            }
        }
    }
}
```

a)

2

4

b)

1

3

5

c) Compilation Error
d)

1

2

3

4

5

OOPs Multiple Choice Questions on Types of Classes (Using Java)

1. What will be the output of the following Java code?

```
class StudentHashcode
{
    static int num = 60;
    int temp;
    Student()
    {
        temp = num;
    }
    public int hashCode()
    {
        return temp;
    }
    public static void main(String args[])
    {
        Student s = new Student();
        System.out.println(s.hashCode());
        System.out.println(s);
    }
}
```

a)

60

60

b)

3c

Student@3c

c)

3c

Student@60

d)

60

Student@3c

View Answer

2. What will be the output of the following Java code?

```
class boolEqual
{
    public static void main(String[] args)
    {
        Boolean obj1 = new Boolean(true);
        Boolean obj2 = new Boolean(false);
        System.out.println(obj1.equals(obj2));
    }
}
```

a) false
b) true
c) 0
d) Compilation error

View Answer

3. What will be the output of the following Java code?

```
class Clock
{
   public static void main(String[] args)
   {
      Clock time = new Clock();
      System.out.println("" + time.getClass());
      Integer i = new Integer(5);
```

```
      System.out.println("" + i.getClass());
   }
}
```

a)

```
class Clock
class java.lang.Integer
```

b)

```
class Clock
class java.lang.Datatype
```

c)

```
class time
class java.io.Integer
```

d)

```
class Clock
class java.io.Integer
```

View Answer

4. Which of the following options can be a possible output of the Java code mentioned below?

```
class FormDetails
{
    int id;
    String name;
    String tag;
    Details(int id, String name, String tag)
    {
        this.id=id;
        this.name=name;
        this.tag=tag;
    }
    public static void main(String args[])
    {
        Details obj1=new Details(1,"Pawan","NoTag");
        Details obj2=new Details(2,"Mahesh","NoTag");
        System.out.println(obj1);
        System.out.println(obj2);
    }
}
```

a)

1 Pawan NoTag

2 Mahesh NoTag

b)

1,"Pawan","NoTag"

2,"Mahesh","NoTag"

c)

Details@15db9742

Details@6d06d69c

d)

obj1@15db9742

obj2@6d06d69c

View Answer

5. What will be the output of the following Java code?

```
class PersonalDetails
{
    String name;
    int age;
    Person (String name, int age)
    {
        this.name = name;
        this.age = age;
    }
    public String toString()
    {
        return name + " " + age;
    }
    public static void main(String[] args)
    {
        Person b = new Person("Gautam Nanda", 21);
        System.out.println(b.toString());
    }
}
```

a) “Gautam Nanda” 21
b) Gautam Nanda 21
c) Compilation Error
d) “Gautam Nanda 21”

View Answer

6. What will be the output of the following Java code?

```
class FinaliseObject
{
    public void finalize()
    {
        System.out.println("This is the finalize() method ");
    }
    public static void main(String[] args) {
        String str = new String("Hi, Welcome in Java World");
        str = null;
        System.gc();
        System.out.println("This is finalize class");
    }
}
```

a) This is the finalise() method
b) Hi, Welcome in Java World
c) This is finalize class
d) Compilation error

View Answer

7. What will be the output of the following Java code?

```
class Cloning implements Cloneable
{
    int id;
    String name;
    Cloning(int id, String name)
    {
        this.id=id;
        this.name=name;
    }
    public Object clone()throws CloneNotSupportedException
    {
        return super.clone();
    }
    public static void main(String args[])
    {
        try
        {
            Cloning obj1=new Cloning(1,"dravid");
            Cloning obj2=(Cloning)obj1.clone();
            System.out.println(obj1.id+" "+obj1.name);
            System.out.println(obj2.id+" "+obj2.name);
        }
        catch(CloneNotSupportedException c){}
    }
}
```

a)

1 dravid

1 dravid

b) 1 dravid
c)

1 dravid

1 dravid 1 dravid

d) Compilation error
View Answer
8. What will be the output of the following Java code?

```
public class JavaClassExample
{
    public static void main(String[] args)
    {
        Object obj1 = new String("Apple");
        Class b = obj1.getClass();
        System.out.println("Class is:" + b.getName());
    }
}
```

a) Class is Apple
b) Class is JavaClassExample
c) Class is java.lang.String
d) Class is String
View Answer
9. What will be the output of the following Java code?

```
 class Equality
 {
     public int hashCode()
     {
        return 199;
     }
     public static void main(String[] args)
     {
         String a = new String("a");
         String b = new String("a");
         System.out.println(a.equals(b));
     }
 }
```

a) true
b) false
c) Compilation error
d) -1
View Answer
10. What will be the output of the following Java code?

```
class IntegerHashCode
```

```
{
    public static void main(String[] args)
    {
        int hashValue = Integer.hashCode("155");
        System.out.println("Hash code Value for object is: " + hashValue);
    }
}
```

a) 155
b) “155”
c) Compilation error
d) Hash code Value for object is: 155

1. What will be the output of the following Java code?

```
class Worker
{
    float salary=98000;
}
class Manager extends Worker
{
    int bonus=25000;
    public static void main(String args[])
    {
        Manager p=new Manager();
        System.out.println(+p.salary);
    }
}
```

a) 98000.0
b) 98000
c) Compilation error
d) 25000
View Answer
2. What will be the output of the following Java code?

```
class Base
{
    void player1()
    {
        System.out.println("player1");
    }
}
class Intermediate extends Base
{
    void player2()
    {
        System.out.println("player2");
    }
}
class SubClass extends Intermediate
{
    void player3()
    {
```

```
        System.out.println("player3");
    }
    public static void main(String args[])
    {
        SubClass d=new SubClass();
        d.player3();
    }
}
```

a) player3
b)

player3

player2

player1

c) Compilation error
d)

player1

player2

player3

View Answer

3. What will be the output of the following Java code?

```
class Base
{
    public void display()
    {
        System.out.println("Base class called");
    }
}
class Derived extends Base
{
    public void display()
    {
        System.out.println("Derived class called");
    }
    public static void main(String[] args)
    {
        Base obj = new Derived();
        obj.display();
    }
}
```

a) Base class called
b) Derived class called
c)

Base class called

Derived class called

d)

Derived class called

Base class called

View Answer

4. What will be the output of the following Java code?

```
class Tier1
{
    public void Display()
    {
        System.out.println("Tier1");
    }
}
class Tier2 extends Tier1
{
    public void Display()
    {
        System.out.println("Tier2");
    }
}
class Tier3 extends Tier2
{
    public void Display()
    {
        super.super.Display();
        System.out.println("Tier3");
    }
    public static void main(String[] args)
    {
        Tier3 obj = new Tier3();
        obj.Display();
    }
}
```

a) Tier1
b)

Tier3

Tier2

Tier1

c) Tier3
d) Compilation Error
View Answer
5. What will be the output of the following Java code?

```
class SampleClass1
{
    System.out.println("Class1");
}
class SampleClass2
{
    System.out.println("Class2");
}
class Base extends SampleClass2, SampleClass1
{
    void display()
    {
        System.out.println("Inherited");
    }
    public static void main(String[] args)
    {
        Base obj = new Base();
        obj.Display();
    }
}
```

a) Inherited
b)

```
Class2
Class1
Inherited
```

c)

Inherited

Class1

Class2

d) Compilation error
View Answer
6. What will be the output of the following Java code?

```
class Base
{
    int num1;
}
class Derived extends Base
{
    int num2;
    void display()
    {
        super.num1 = num2 + 1;
        System.out.println(j + " " + i);
    }
    public static void main(String args[])
    {
        Derived obj = new Derived();
        obj.num1 = 1;
        obj.num2 = 2;
        obj.display();
    }
}
```

a) 2 2
b) 3 3
c) 2 3
d) 3 2

View Answer

7. What will be the output of the following Java code?

```
class Base
{
    static void staticMethod()
    {
        System.out.println("Class X");
    }
}
class Derived extends Base
{
    static void staticMethod()
    {
        System.out.println("Class Y");
    }
    public static void main(String[] args)
    {
        Base.staticMethod();
    }
}
```

a) Class X
b) Class Y
c) Compilation error
d)

Class X

Class Y

View Answer

8. What will be the output of the following Java code?

```
class Base
{
    public void print_for()
    {
        System.out.println("1");
    }
}
class Derived extends Base
{
    public void print_fr()
    {
        System.out.println("2");
    }
    public static void main(String[] args)
    {
        Derived g = new Derived();
        g.print_for();
    }
}
```

a) 2
b) 1
c) Compilation error
d) -1

View Answer

9. What will be the output of the following Java code?

```
class BaseClass
{
    public static void main(String[] args)
    {
        String s = new String("HelloWorld");
        Class strClass = s.getClass();
        System.out.println("Base class of String: " +
strClass.getSuperclass());
    }
}
```

a) Compilation error
b) Null
c) class java.io
d) class java.lang.Object

View Answer

10. What will be the output of the following Java code?

```
class Sum
{
```

```
    int z;
    public void addition(int x, int y)
    {
        z = x + y;
        System.out.println(z);
    }
}
class Product extends Sum
{
    public void multiplication(int x, int y)
    {
        z = x * y;
        System.out.println(z);
    }
public static void main(String args[])
    {
        int a = 2, b = 15;
        Product obj = new Product();
        obj.addition(a, b);
        obj.multiplication(a, b);
    }
}
```

a)

17

30

b)

30

17

c) Compilation error

d)

30

30

1. What will be the output of the following Java code?

```
class one
{
    public void print1()
    {
        System.out.println("Hello");
```

```
    }
}
class two extends one
{
    public void print2()
    {
        System.out.println("World");
    }
}
class Main
{
    public static void main(String[] args)
    {
        two g = new two();
        g.print2();
        g.print1();
    }
}
```

a)

World

Hello

b)

Hello

World

c) Compilation Error

d)

World

World

Hello

View Answer

2. What will be the output of the following Java code?

```
class Super
{
    public void pfunc()
    {
        System.out.println("Parent function");
    }
```

```
}
class Sub extends Super
{
    public void cfunc()
    {
        System.out.println("Child function");
    }
    public static void main(String[] args)
    {
        Sub obj = new Sub();
        obj.cfunc();
        obj.pfunc();
    }
}
```

a)

Child function

Parent function

b)

Parent function

Child function

c) Compilation error
d) Child function

View Answer

3. What will be the output of the following Java code?

```
class Pulsar
{
    String name;
}
class Bike extends Pulsar
{
    String modelType;
    public void showDetail()
    {
        name = "Pulsar 2.0";
        modelType = "Sports";
        System.out.println(name);
    }
    public static void main(String[] args)
    {
        Bike car = new Bike();
        car.showDetail();
    }
}
```

a) Compilation error
b) Sports
c) Pulsar 2.0
d)

Pulsar 2.0

Sports

View Answer

4. What will be the output of the following Java code?

```
class Base
{
    String name="base";
}
class Derived extends Base
{
    String name;
    public void details()
    {
        name = "Derived";
        System.out.println(super.name+" and "+name);
    }
    public static void main(String[] args)
    {
        Derived obj = new Derived();
        obj.details();
    }
}
```

a) Derived and base
b) base and Derived
c) base and
d) Derived and

View Answer

5. What will be the output of the following Java code?

```
class Person
{
    public void show()
    {
        System.out.println("None");
    }
}
class College extends Person
{
    public void show1()
    {
        System.out.println("I am in a College");
    }
```

```
}
class School extends Person
{
    public void show2()
    {
        System.out.println("I am in a School");
    }
}
class University extends Person
{
    public void show3()
    {
        System.out.println("I am in a University");
    }
}
class HierarchicalInheritance
{
    public static void main(String args[])
    {
        School teacher = new School();
        College student = new College();
        University doctor = new University();
        student.show();
        student.show1();
        teacher.show2();
        doctor.show3();
    }
}
```

a)

None

I am in a College

I am in a School

I am in a University

b) Compilation error

c)

I am in a University

I am in a School

I am in a College

None

d) None
View Answer
6. What will be the output of the following Java code?

```
class Base
{
    void msg()
    {
        System.out.println("Hello");
    }
}
class Intermediate
{
    void msg()
    {
        System.out.println("Welcome");
    }
}
class Derived extends Base,Intermediate
{
    public static void main(String args[])
    {
        C obj=new C();
        obj.msg();
    }
}
```

a)

Hello

Welcome

b)

Welcome

Hello

c) Compilation error
d) Hello
View Answer
7. What will be the output of the following Java code?

```
class one
{
    public void print_one()
    {
        System.out.print("one");
    }
```

```
}
class two extends one
{
    public void print_two()
    {
        System.out.print("two");
    }
    public void print_one()
    {
        System.out.print("three");
    }
}
class three extends two
{
    public static void main(String[] args)
    {
        three obj = new three();
        obj.print_one();
        obj.print_two();
        obj.print_one();
    }
}
```

a) one two one
b) two three three
c) three two three
d) two three one
View Answer

8. What will be the output of the following Java code?

```
class Line
{
    public void print()
    {
        System.out.println("Inside display");
    }
}
class Rectangle extends Line
{
    public void area()
    {
        System.out.println("Inside area");
    }
}
class Square extends Rectangle
{
    public void volume()
    {
        System.out.println("Inside volume");
    }
}
class Main
{
    public static void main(String[] arguments)
    {
```

```
        Square obj = new Square();
        obj.print();
    }
}
```

a) Inside display
b) Inside area
c) Inside volume
d) Compilation error

View Answer

9. What will be the output of the following Java code?

```
class one
{
    public void print1()
    {
        System.out.print("4");
    }
}
class two extends one
{
    public void print2()
    {
        System.out.println("5");
    }
}
class three extends one
{
    void print()
    {
        System.out.println(" ");
    }
}
class Main
{
    public static void main(String[] args)
    {
        three g = new three();
        g.print1();
        two t = new two();
        t.print2();

    }
}
```

a) 45
b) 54
c) 5
d) 4

View Answer

10. What will be the output of the following Java code?

```
class Method1
{
```

```
    void fun()
    {
        System.out.println("Parent1");
    }
}
class Method2
{
    void fun()
    {
        System.out.println("Parent2");
    }
}
class Test extends Method1, Method2
{
    public static void main(String args[])
    {
        Test t = new Test();
        t.fun();
    }
}
```

a) Compilation error
b) Parent1
c) Parent2
d)

Parent1

Parent2

1. What will be the output of the following Java code?

```
class MainClass
{
    int x = 15;
    class NestedClass
    {
        int y = 15;
    }
}
class InnerClass
{
    public static void main(String[] args)
    {
        MainClass obj1 = new MainClass();
        MainClass.NestedClass obj2 = obj1.new NestedClass();
        System.out.println(obj2.y + obj1.x);
    }
}
```

a) Compilation Error
b) 30
c) 15

d) Garbage Value
View Answer
2. What will be the output of the following Java code?

```
class Outer
{
    int x = 15;
    private class Nested
    {
        int y = 15;
    }
}
class Nested
{
    public static void main(String[] args)
    {
        Outer ob1 = new Outer();
        Outer.Nested ob2 = ob1.new Nested();
        System.out.println(ob2.y + ob1.x);
    }
}
```

a) Compilation Error
b) 30
c) 15
d) Garbage Value
View Answer
3. What will be the output of the following Java code?

```
class Outer
{
    int x = 10;
    class Inner
    {
        public int ReturnMethod()
        {
            return x;
        }
    }
}
class NestedClass
{
    public static void main(String[] args)
    {
        Outer obj1 = new Outer();
        Outer.Inner obj2 = obj1.new Inner();
        System.out.println(obj2.ReturnMethod());
    }
}
```

a) 10
b) Compilation error
c) Garbage Value
d) -1
View Answer

4. What will be the output of the following Java code?

```
class Outer
{
    int x = 10;
    class Inner
    {
        public int ReturnMethod()
        {
            return x;
        }
    }
}
class MainCall
{
    public static void main(String[] args)
    {
        Outer obj1 = new Outer();
        Outer.Inner obj2 = obj1.new Inner();
        System.out.println(obj1.ReturnMethod());
    }
}
```

a) 10
b) Compilation error
c) Garbage Value
d) -1

View Answer

5. What will be the output of the following Java code?

```
class MainClass
{
    int x = 15;
    class NestedClass
    {
        int y = 15;
        void print()
        {
            System.out.println(x+y);
        }
    }
}
class Sum
{
    public static void main(String[] args)
    {
        MainClass obj1 = new MainClass();
        MainClass.NestedClass obj2 = obj1.new NestedClass();
        obj2.print();
    }
}
```

a) 30
b) 15
c) Compilation error

d) Garbage Value
View Answer
6. What will be the output of the following Java code?

```
class Outer
{
    int x = 15;
    class Inner
    {
        int y = 15;
        int print()
        {
            return(x+y);
        }
    }
}
class SumReturn
{
    public static void main(String[] args)
    {
        Outer obj1 = new Outer();
        Outer.Inner obj2 = obj1.new Inner();
        System.out.println(obj1.print());
    }
}
```

a) 15
b) Compilation error
c) Garbage Value
d) 30
View Answer
7. What will be the output of the following Java code?

```
class MainClass
{
    int x = 15;
    final int z=7;
    class NestedClass
    {
        int y = 10;
        int Calc()
        {
            return(x*y*z);
        }
    }
}
class Product
{
    public static void main(String[] args)
    {
        MainClass obj1 = new MainClass();
        MainClass.NestedClass obj2 = obj1.new NestedClass();
        System.out.println(obj2.Calc());
    }
}
```

a) 1050
b) 1500
c) Compilation error
d) Null
View Answer
8. What will be the output of the following Java code?

```
class MainClass
{
    int x=5;
    protected int z=4;
    class NestedClass
    {
        int y = 10;
        void Calculate()
        {
            System.out.println(x*y*z);
        }
    }
}
class ProductCalc
{
    public static void main(String[] args)
    {
        MainClass obj1 = new MainClass();
        MainClass.NestedClass obj2 = obj1.new NestedClass();
        obj2.Calculate();
    }
}
```

a) 1050
b) 1500
c) Compilation error
d) 200
View Answer
9. What will be the output of the following Java code?

```
class Outer
{
    protected int x = 10;
    class Inner
    {
        final int y = 15;
    }
}
class Final
{
    public static void main(String[] args)
    {
        Outer myOuter = new Outer();
        Outer.Inner myInner = myOuter.new Inner();
        System.out.println(myInner.y + myOuter.x);
    }
}
```

a) 25
b) 10
c) Compilation error
d) 150
View Answer
10. What will be the output of the following Java code?

```
class Outer
{
    int x = 10;
    class Inner
    {
        int y = 15;
        public void update()
        {
            y = y*11;
        }
    }
}
class Updation
{
    public static void main(String[] args)
    {
        Outer myOuter = new Outer();
        Outer.Inner myInner = myOuter.new Inner();
        myInner.update();
        System.out.println(myInner.y + myOuter.x);
    }
}
```

a) 185
b) 175
c) Compilation error
d) 150

1. What will be the output of the following Java code?

```
public class Sum
{
    public static class Inner
    {
        static int sum=0;
        public static void add(int a, int b)
        {
            sum=a+b;
        }
        public void print()
        {
            System.out.println(sum);
        }
    }
    public static void main(String[] args)
    {
        Sum.Inner.add(10,20);
```

```
        Sum.Inner i = new Sum.Inner();
        i.print();
    }
}
```

a) Runtime Error
b) Compilation Error
c) 0
d) 30

View Answer

2. What will be the output of the following Java code?

```
public class getClass
{
    public static class Inner
    {
        public void print()
        {
            System.out.println("Inner");
        }
    }
    public static void main(String[] args)
    {
        getClass.Inner i = new getClass.Inner();
        System.out.println(i.getClass());
        i.print();
    }
}
```

a)

class getClass$Inner

Inner

b) class getClass.InnerInner
c)

class getClass.Inner

Inner

d)

class Inner

Inner

View Answer

3. What will be the output of the following Java code?

```
public class StaticOuter
{
    public static class StaticInner
    {
        public void display()
        {
            System.out.println("StaticInner");
        }
    }
    public class Inner
    {
        public void display()
        {
            System.out.println("Inner");
        }
    }
    public static void main(String[] args)
    {
        StaticOuter.StaticInner i = new StaticOuter.StaticInner();
        System.out.println(i.getClass());
        i.display();
        StaticOuter.Inner j = new StaticOuter.Inner();
        System.out.println(j.getClass());
        j.display();
    }
}
```

a)

class StaticOuter$StaticInner

StaticInner

class StaticOuter$Inner

Inner

b) Runtime Error

c)

class StaticOuter.StaticInner

StaticInner

class StaticOuter.Inner

Inner

d) Compilation Error
View Answer
4. What will be the output of the following Java code?

```
public class Program
{
    public static class Char
    {
        public void print(int a)
        {
            System.out.println((char)c);
        }
    }
    public static void main(String[] args)
    {
        Program.Inner i = new Program.Inner();
        i.print(97);
    }
}
```

a) A
b) The unicode character of the integer is A
c) The unicode character of the integer is a
d) Error
View Answer
5. What will be the output of the following Java code?

```
public class DisplayProg
{
    public static class Display
    {
        String a;
        Display(String a)
        {
            this.a = a;
        }
        public static void display()
        {
            System.out.println(a);
        }
    }
    public static void main(String[] args)
    {
        DisplayProg.Display i = new DisplayProg.Display("A","A");
        i.display();
    }
}
```

a) Strings are equal
b) The strings aren’t equal
c) Runtime Error
d) Compilation Error
View Answer

6. What will be the output of the following Java code?

```
public class String
{
    public static class obj
    {
        String a;
        int b;
        obj(String x, int y)
        {
            a=x;
            b=y;
        }
    }
    public static void main(String[] args)
    {
        String.obj i = new String.obj("San",10);
        System.out.println(i);
        System.out.println(i.toString());
    }
}
```

a)

San 10

"San 10"

b)

"San" 10

""San" 10"

c)

String$obj@2a139a55

"San" 10

d)

String$obj@2a139a55

String$obj@2a139a55

View Answer

7. What will be the output of the following Java code?

```
public class StringProgram
{
    public static class Compare
    {
        static String a,b;
        Compare(String x, String y)
        {
            a=x;
            b=y;
        }
        public static void compare()
        {
            if(a==b)
                System.out.println("The strings are equal");
            else
                System.out.println("The strings aren't equal");
        }
    }
    public static void main(String[] args)
    {
        String a = new String("Sanfoundry");
        String b = new String("Sanfoundry");
        StringProgram.Compare i = new StringProgram.Compare(a, b);
        i.compare();
    }
}
```

a) Runtime Error
b) Compilation Error
c) The strings are equal
d) The strings aren’t equal

View Answer

8. What will be the output of the following Java code?

```
public class charAtFunction
{
    public static class Inner
    {
        public static void indexChar(String a, int b)
        {
            System.out.println(a.charAt(b));
        }
    }
    public static void main(String[] args)
    {
        charAtFunction.Inner.indexChar("Sanfoundry", 8);
    }
}
```

a) d
b) r
c) Compilation error

d) Runtime Error

View Answer

9. What will be the output of the following Java code?

```
public class indexOfFunction
{
    public static class Inner
    {
        public void charPos(String a, char b)
        {
            System.out.println(a.indexOf(b));
            System.out.println(a.indexOf(b,3);
        }
    }
    public static void main(String[] args)
    {
        indexOfFunction.Inner i = new indexOfFunction.Inner();
        i.charPos("Sanfoundry", 'n');
    }
}
```

a)

3

7

b)

3

3

c)

2

6

d)

2

2

View Answer

10. What will be the output of the following Java code?

```
public class Nested
{
    public static class Push
    {
        public void push(int a, int b)
        {
            System.out.println(a<<b);
        }
    }
    public static void main(String[] args)
    {
        Nested.Push i = new Nested.Push();
        i.push(10, 2);
    }
}
```

a) 2.5
b) 2
c) 40
d) 20

1. What is the output of the following Java code?

```
final class Final
{
    static String s = "Sanfoundry";
}
public class Program extends Final
{
    public static void main(String[] args)
    {
        System.out.println(s);
    }
}
```

a) Garbage Value
b) Sanfoundry
c) Compilation Error
d) Runtime Error

2. What is the output of the following Java code?

```
final class Final extends Program
{
    public void Print()
    {
        System.out.println(s);
    }
}
class Program
{
    String s = "Sanfoundry";
```

```
}
public class FinalCall
{
    public static void main(String[] args)
    {
        Final f = new Final();
        f.Print();
    }
}
```

a) Garbage Value
b) Sanfoundry
c) Runtime Error
d) Compilation Error

View Answer

3. What is the output of the following Java code?

```
static final class Program
{
    public void display(char ch)
    {
        System.out.println("The ascii value of "+ch+" is "+(int)ch);
    }
}
public class FinalExe
{
    public static void main(String[] args)
    {
        Program.display('c');
    }
}
```

a) The ascii value of c is 67
b) The ascii value of c is 99
c) Runtime Error
d) Compilation Error

View Answer

4. What is the output of the following Java code?

```
public class Outer
{
    class Program
    {
        String s = "Sanfoundry";
    }
    final class Final extends Program
    {
        void print()
        {
            for(int i=0;i<s.length();i++)
            {
                if(i%2==0)
                System.out.print(s.charAt(i));
            }
```

```
        }
    }
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Final j = i.new Final();
        j.print();
    }
}
```

a) afudy
b) Snonr
c) Sanfoundry
d) Compilation Error
View Answer

5. What is the output of the following Java code?

```
public class StaticFinalClass
{
    static final class Final
    {
        Integer i = new Integer(6124);
        void ClassCheck()
        {
            System.out.println(i.getClass());
            System.out.println(i.getClass().getSuperclass());
        }
    }
    public static void main(String[] args)
    {
        StaticFinalClass.Final i = new StaticFinalClass.Final();
        i.ClassCheck();
    }
}
```

a) Compilation Error
b)

class java.io.Integer

class java.io.Object

c)

class java.io.Integer

class java.io.Number

d)

class java.lang.Integer

class java.lang.Number

View Answer

6. What is the output of the following Java code?

```
final class Program
{
    public void Loop()
    {
        for(int i=1;i>0;i++);
        {
            System.out.println(i);
        }
    }
}
public class LoopClass
{
    public static void main (String[] args) {
        Program i = new Program();
        i.Loop();
    }
}
```

a) Infinite loop
b) Compilation Error
c)

1

0

d)

0

1

View Answer

7. What is the output of the following Java code?

```
public final class Check
{
    public static void main (String[] args)
    {
        for(short i=32767;i>0;i++)
        {
            System.out.println(i);
```

```
        }
    }
}
```

a)

32767

32768

32769

32700

b) Infinite loop
c) Compilation Error
d) 32767

View Answer

8. What is the output of the following Java code?

```
public final class StringBuffer
{
    public static void main (String[] args)
    {
        StringBuffer s = new StringBuffer("Sonfoundry");
        s.setCharAt(2,'a');
        System.out.println(s);
    }
}
```

a) Sanfoundry
b) Saonfoundry
c) Soanfoundry
d) Soafoundry

View Answer

9. What is the output of the following Java code?

```
public final class StaticString
{
    static String x;
    static int y;
    public static void main (String[] args)
    {
        StaticString i = new StaticString();
        System.out.println(x+y);
    }
}
```

a) “”9999999
b) “”0

c) ‘\0’0
d) null0
View Answer
10. What is the output of the following Java code?

```
public final class Inheritance
{
    class Program
    {
        String s = "Class Program";
    }
    class Print extends Program
    {
        void display()
        {
            System.out.println(s);
        }
    }
    public static void main (String[] args)
    {
        Inheritance i = new Inheritance();
        Inheritance.B j = i.new B();
        j.display();
    }
}
```

a) Compilation Error
b) Runtime Error
c) Null
d) Class Program

1. What will be the output of the following Java code?

```
class Generic<T>
{
    T t;
    Generic(T t)
    {
        this.t = t;
    }
    public T getT()
    {
        return this.t;
    }
}
class MainCall
{
    public static void main (String[] args)
    {
        Generic <Integer> i = new Generic<Integer>(25);
        System.out.println(i.getT());
        Generic <Double> j = new Generic<Double>(37);
        System.out.println(j.getT());
    }
```

```
}
```
a)

25

37

b)

25

37.0

c) Compilation Error
d) Runtime Error
View Answer
2. What will be the output of the following Java code?

```
class Generic<T>
{
    T t;
    Generic(T t)
    {
        this.t = t;
    }
    public T Position()
    {
        return this.t;
    }
}
class StringGeneric
{
    public static void main (String[] args)
    {
        Generic <String> i = new Generic<String>("Sanfoundry");
        System.out.println(i.Position().charAt(3));
    }
}
```
a) Garbage Value
b) n
c) f
d) Compilation Error
View Answer
3. What will be the output of the following Java code?

```
class Generic<T,U>
{
    T t;
```

```
    U u;
    Generic(T t, U u)
    {
        this.t = t;
        this.u = u;
    }
    public void append()
    {
        System.out.print(u);
        System.out.print(t);
    }
}
class GenericString
{
    public static void main (String[] args)
    {
        Generic <String, String> i = new Generic<String, String>("San",
"foundry");
        i.append();
    }
}
```

a) Compilation Error
b) Runtime Error
c) Sanfoundry
d) foundrySan

View Answer

4. What will be the output of the following Java code?

```
class Generic<T>
{
    T t;
    Generic(T t)
    {
        this.t = t;
    }
    public T getT()
    {
        return this.t;
    }
}
class GenericString2
{
    public static void main (String[] args)
    {
        Generic <String> i = new Generic<String>("Sanfoundry");
        System.out.println(i.getClass());
        System.out.println(i.getT().getClass());
    }
}
```

a)

class T

class Generic

b)

class Generic

class String

c)

class Generic

class java.lang.String

d)

class T

class java.lang.String

View Answer

5. What will be the output of the following Java code?

```
class Generic<T>
{
    T t;
    Generic(T t)
    {
        this.t = t;
    }
    public T getT()
    {
        return this.t;
    }
}
class GenericInt
{
    public static void main (String[] args)
    {
        Generic <Integer> i = new Generic<Integer>(100);
        Generic <Generic> j = new Generic<Generic>(i);
        System.out.println(j.getClass());
        System.out.println(j.getT().getClass());
    }
}
```

a)

class Generic

class Integer

b)

class Generic

class java.io.Integer

c)

class Generic

class java.lang.Integer

d)

class Generic

class Generic

View Answer

6. What will be the output of the following Java code?

```
class Generic<T>
{
    T t;
    Generic(T t)
    {
        this.t = t;
    }
    public T getT()
    {
        return this.t;
    }
}
class GenericProg
{
    public static void main (String[] args)
    {
        Generic <String> i = new Generic<String>("Sanfoundry");
        System.out.println(i);
    }
}
```

a) Compilation Error
b) “Sanfoundry”
c) Generic@2a139a55
d) GenericProg@2a139a55

7. What will be the output of the following Java code?

```
class Generic <T>
{
    Stack <T> t = new Stack <T>();
    public void push(T i)
    {
        t.push(i);
    }
    public T pop()
    {
        return t.pop();
    }
    public Stack Array()
    {
        return t;
    }
}
public class GenericPop
{
    public static void main(String args[])
    {
        Generic <String> i = new Generic<String>();
        i.push("San");
        i.push("foundry");
        System.out.println(i.Array());
        System.out.println(i.pop());
        System.out.println(i.pop());

    }
}
```

a)

Sanfoundry

Sanfoundry

b) Compilation Error
c)

[San, foundry]

San

foundry

d)

[San, foundry]

foundry

San

View Answer

8. What will be the output of the following Java code?

```
class Generic <T>
{
    Stack <T> t = new Stack <T>();
    public void push(T i)
    {
        t.push(i);
    }
    public T pop()
    {
        return t.pop();
    }
}
public class GenericStack
{
    public static void main(String args[])
    {
        Generic <String> i = new Generic<String>();
        i.push("37");
        i.push(37.0);
        System.out.println(i.pop());
        System.out.println(i.pop());
    }
}
```

a)

37

37.0

b)

"37"

37.0

c) Runtime Error
d) Compilation Error
View Answer
9. What will be the output of the following Java code?

```
class Generic <T>
{
    Stack <T> t = new Stack <T>();
    public void push(T i)
    {
        t.push(i);
    }
    public T pop()
    {
        return t.pop();
    }
}
public class GenericStackProg
{
    public double multiply(double a, double b)
    {
        return a*b;
    }
    public static void main(String args[])
    {
        Generic <Double> i = new Generic<Double>();
        i.push(21.0);
        i.push(32.0);
        i.push(40.0);
        GenericStackProg j = new GenericStackProg();
        System.out.println(j.multiply(i.pop(),i.pop()));
    }
}
```

a) 840.0
b) 1280.0
c) 672.0
d) Compilation Error
View Answer
10. What will be the output of the following Java code?

```
class Generic <T>
{
    Stack <T> t = new Stack <T>();
    public void push(T i)
    {
        t.push(i);
    }
    public T pop()
    {
        return t.pop();
    }
    public int search(String s)
    {
```

```
        return t.search(s);
    }
}
public class GenericStackMultiply
{
    public double multiply(double a, double b)
    {
        return a*b;
    }
    public static void main(String args[])
    {
        Generic <String> i = new Generic<String>();
        i.push("San");
        i.push("Fou");
        i.push("Nd");
        String k = i.pop();
        i.push("nd");
        System.out.println(i.search("Nd"));
    }
}
```

a) 2
b) 1
c) -1
d) 0

1. What will be the output of the following Java code?

```
class Outer
{
    int y = 10;
    class Nested
    {
        int y = 15;
    }
}
class Prog
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        System.out.println(i.y);
        System.out.println(j.y);

    }
}
```

a)

15

15

b)

10

10

c)

10

15

d)

15

10

View Answer

2. What will be the output of the following Java code?

```
class Outer
{
    void print()
    {
        System.out.println("Outer");
    }
    class Nested
    {
        void print()
        {
            System.out.println("Nested");
        }
    }
}
class MainCall
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        i.print();
        j.print();
    }
}
```

a)

Outer

Inner

b)

Inner

Outer

c)

Outer

Outer

d)

Inner

Inner

View Answer

3. What will be the output of the following Java code?

```
class Outer
{
    int x = 98;
    class Nested
    {
        void Display()
        {
            System.out.println((char)x);
        }
    }
}
class ProgCall
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        j.Display();
    }
}
```

a) 98
b) B
c) b
d) Compilation Error
View Answer
4. What will be the output of the following Java code?

```
class Outer
{
    int x = 98;
    class Nested
    {
        void print()
        {
            System.out.println(this);
        }
    }
}
class MainExecution
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        j.print();
    }
}
```

a) x=98
b) x = 98
c) Outer$Nested@2a139a55
d) Nested@2a139a55
View Answer
5. What will be the output of the following Java code?

```
class Outer
{
    int x = 10;
    class Nested
    {
        int y = 20;
        class Nested2
        {
            int z = 30;
            void multiply()
            {
                System.out.println(x*y*z);
            }
        }
    }
}
class Call
{
    public static void main(String[] args)
```

```
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        Outer.Nested.Nested2 k = j.new Nested2();
        k.multiply();
    }
}
```

a) Runtime Error
b) Compilation Error
c) 3000
d) 6000

View Answer

6. What will be the output of the following Java code?

```
class Outer
{
    class Nested
    {
        int y;
        void factorial()
        {
            int fact=1;
            for(int i=1;i<=y;i++)
            {
                fact*=i;
            }
            System.out.println(fact);
        }
    }
}
class Factorial
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        j.factorial();
    }
}
```

a) Garbage value
b) 1
c) 0
d) Compilation Error

View Answer

7. What will be the output of the following Java code?

```
class Outer
{
    class Nested
    {
        int y;
        void fact()
```

```
        {
            int fact=1;
            for(int i=1;i<=y;i++)
            {
                fact*=i;
            }
            System.out.println(fact);
        }
        Nested(int y)
        {
            this.y=y;
        }
    }
}
class OuterCall
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested(5);
        j.fact();
    }
}
```

a) 120
b) 240
c) 24
d) 1

View Answer

8. What will be the output of the following Java code?

```
class Outer
{
    int x=10;
    static class Nested
    {
        int y = 10;
        static void Calc()
        {
            System.out.println(x+y);
        }
    }
}
class Calculation
{
    public static void main(String[] args)
    {
        Outer.Nested.Calc();
    }
}
```

a) 10
b) 20
c) Compilation Error

d) Runtime Error
View Answer
9. What will be the output of the following Java code?

```
class Outer
{
    String s = "Sanfoundry";
    class Nested
    {
        void pos(int a)
        {
            System.out.println(s.charAt(a));
        }
    }
}
class NestedCall
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        j.pos(3);
    }
}
```

a) n
b) a
c) f
d) Compilation Error
View Answer
10. What will be the output of the following Java code?

```
class Outer
{
    class Nested
    {
        String s = "Sanfoundry";
        void index(char c)
        {
            System.out.println(s.indexOf(c));
            System.out.println(s.indexOf(c,3));
        }
    }
}
class Index
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested j = i.new Nested();
        j.index('n');
    }
}
```

a)

2

2

b)

3

7

c)

3

3

d)

2

6

View Answer

11. What will be the output of the following Java code?

```
class Outer
{
    class Nested
    {
        String s = "Dravid";
        void display()
        {
            System.out.println(s.charAt(2));
        }
    }
}
class CharAt
{
    public static void main(String[] args)
    {
        Outer i = new Outer();
        Outer.Nested obj = i.new Nested();
        obj.display();
    }
}
```

a) a
b) d
c) r
d) Compilation error
View Answer
12. What will be the output of the following Java code?

```
class MainClass
{
    int x=5;
    protected int z=4;
    class NestedClass
    {
        int y = 2;
        void Calculate()
        {
            System.out.println(x*y*z);
        }
    }
}
class Product
{
    public static void main(String[] args)
    {
        MainClass obj1 = new MainClass();
        MainClass.NestedClass obj2 = obj1.new NestedClass();
        obj2.Calculate();
    }
}
```

a) 40
b) 10
c) 80
d) Compilation error

1. What is the output of the following Java code?

```
import java.util.ArrayList;
class ArrayList
{
    public static void main(String[] args)
    {
        ArrayList<Integer> al = new ArrayList<Integer>();
        al.add(25);
        System.out.println(al.get(0));
    }
}
```

a) 25
b) Garbage Value
c) Compilation Error
d) -1
View Answer

2. What is the output of the following Java code?

```
import java.util.ArrayList;
class ArrayList2
{
    public static void main(String[] args)
    {
        ArrayList<int> al = new ArrayList<int>();
        al.add(25);
        System.out.println(al.get(0));
    }
}
```

a) 25
b) Garbage Value
c) Compilation Error
d) -1

View Answer

3. What is the output of the following Java code?

```
class IntegertoString
{
    public static void main(String[] args)
    {
        Integer num = 12345;
        String str = num.toString();
        System.out.println(str.length());
    }
}
```

a) 5
b) Compilation error
c) 4
d) Null

View Answer

4. What is the output of the following Java code?

```
class InttoString
{
    public static void main(String[] args)
    {
        int num = 150;
        String str = num.toString();
        System.out.println(str.length());
    }
}
```

a) 3
b) Compilation error
c) 150
d) 2

View Answer

5. What is the output of the following Java code?

```
class InttoDouble
{
    public static void main(String[] args)
    {
        Integer myInt = 4;
        Double myDouble = 3.99;
        System.out.print(myInt+" ");
        System.out.println(myDouble);
    }
}
```

a) 4 3.99
b) 4 3
c) 4 0.99
d) Compilation error
View Answer

6. What is the output of the following Java code?

```
class Double
{
    public static void main(String[] args)
    {
        Double num = 3;
        System.out.println(num);
    }
}
```

a) 3
b) 3.0
c) Garbage Value
d) Compilation Error
View Answer

7. What is the output of the following Java code?

```
class Double2
{
    public static void main(String[] args)
    {
        Double num = 6.80;
        System.out.println(num);
    }
}
```

a) 6.80
b) 6.8
c) Garbage Value
d) Compilation Error
View Answer

8. What is the output of the following Java code?

```
class PiObject
{
    public static void main(String[] args)
    {
        Double num1 = 3.14;
```

```
        Double num2 = new Double(1.42);
        System.out.print(num1+" "+num2);
    }
}
```

a) 3.14 1.42
b) Compilation error
c) 3.14 null
d) 3.14 -1

View Answer

9. What is the output of the following Java code?

```
class Value
{
    public static void main(String args[])
    {
        Integer obj = new Integer(100);
        int num = obj.intValue();
        System.out.println(num+ " "+ obj);
    }
}
```

a) 100 D
b) 100 100
c) Compilation error
d) Garbage value

View Answer

10. What is the output of the following Java code?

```
class Calculate
{
    public static void main(String[] args)
    {
        Integer obj = new Integer(10);
        calc(obj);
        System.out.print(obj);
    }
    public static void calc(Integer obj)
    {
        obj = obj + 1;
    }
}
```

a) 10
b) 11
c) Compilation error
d) -1

View Answer

11. What is the output of the following Java code?

```
class ValueOfNum
{
    public static void main(String args[])
    {
        int num=10;
```

```
        Integer obj=Integer.valueOf(num);
        System.out.println(num+ " "+ obj);
    }
}
```

a) 10 10
b) 10 -1
c) Garbage value
d) Compilation error

12. What is the output of the following Java code?

```
class CompareTo
{
    public static void main(String args[])
    {
        Integer i = new Integer(10);
        System.out.println(i.compareTo(7));
    }
}
```

a) 1
b) 0
c) -1
d) Compilation error

13. What is the output of the following Java code?

```
class Conversion
{
    public static void main(String args[])
    {
        int b=100;
        System.out.print(Integer.toHexString(b)+" ");
        System.out.print(Integer.toOctalString(b)+" ");
        System.out.print(Integer.toBinaryString(b)+" ");
    }
}
```

a) 64 144 1100100
b) 64 134 0010011
c) 59 144 1100100
d) 64 134 0010011

View Answer

14. What is the output of the following Java code?

```
class StringValueOf
{
    public static void main(String args[])
    {
        String b="100";
        System.out.print(Integer.valueOf(b,2));
    }
}
```

a) 1100100
b) 4
c) 100
d) Compilation error
View Answer
15. What is the output of the following Java code?

```
class IndexOf
{
    public static void main(String args[])
    {
        Integer b=17;
        String str=Integer.toString(b);
        System.out.println(str.indexOf("5"));
    }
}
```

a) 2
b) 17
c) Compilation error
d) -1

1. What will be the output of the following Java code?

```
import java.util.*;
public class Collection
{
    public static void main(String args[])
    {
        String a[] = {"Sa","nf","ou","nd","ry"};
        Arrays.sort(a);
        for(int i=0;i<5;i++)
        {
            System.out.print(a[i]);
        }
    }
}
```

a) Sandnfoury
b) Sanfoundry
c) ndnfouSary
d) Compilation Error
View Answer
2. What will be the output of the following Java code?

```
import java.util.*;
public class Collection2
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add("Sanfoundry");
        l.add(10);
```

```
        l.add(20);
        l.add(30);
        Collections.shuffle(l);
        Iterator i = l.iterator();
        while(i.hasNext())
        System.out.println(i.next());
    }
}
```

a)

10

20

30

Sanfoundry

b)

20

30

10

Sanfoundry

c)

30

Sanfoundry

10

20

d) Random arrangement of the 4 items

View Answer

3. What will be the output of the following Java code?

```
import java.util.*;
```

```
public class MainCall
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add("S");
        l.add("a");
        l.add("n");
        l.add("f");
        l.add("o");
        l.add("u");
        l.add("n");
        l.add("d");
        l.add("r");
        l.add("y");
        Collections.reverse(l);
        Iterator i = l.iterator();
        while(i.hasNext())
        System.out.print(i.next());
    }
}
```

a) Sanfoundry
b) yrdnuofnaS
c)

S

a

n

f

o

u

n

d

r

y

d)

y

r

d

n

u

o

f

n

a

S

View Answer

4. What will be the output of the following Java code?

```
import java.util.*;
public class MainExecute
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        String s = "Sanfoundry";
        for(int i=0;i<s.length();i++)
        {
            l.add(s.charAt(i));
        }
        System.out.println(l);
    }
}
```

a) Sanfoundry
b) “Sanfoundry”
c) [S, a, n, f, o, u, n, d, r, y]
d) Compilation Error

View Answer

5. What will be the output of the following Java code?

```
import java.util.*;
public class LinkedList
```

```
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add(1);
        l.add(2);
        l.add(4);
        l.add(5);
        l.add(3);
        l.remove(3);
        System.out.println(l);
    }
}
```

a) [1, 2, 5, 3]
b) [1, 2, 4, 3]
c) [1, 2, 4, 5]
d) Compilation Error
View Answer

6. What will be the output of the following Java code?

```
import java.util.*;
public class retainAll
{
    public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        String s = "Sanfoundry";
        for(int i=0;i<s.length();i++)
        {
            l.add(s.charAt(i));
        }
        LinkedList a = new LinkedList();
        a.add('S');
        a.add('f');
        a.add('n');
        a.add('o');
        l.retainAll(a);
        System.out.println(l);
    }
}
```

a) [S, n, f, o, n]
b) [a, u, d, r, y]
c) [S, n, f, o]
d) Error
View Answer

7. What will be the output of the following Java code?

```
import java.util.*;
public class charAt
{
    public static void main(String args[])
    {
```

```
        LinkedList l = new LinkedList();
        String s = "Sanfoundry";
        for(int i=0;i<s.length();i++)
        {
            l.add(s.charAt(i));
        }
        System.out.println(l.contains('S'));
    }
}
```

a) 0
b) 1
c) true
d) false
View Answer

8. What will be the output of the following Java code?

```
import java.util.*;
public class Find
{
     public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add("S");
        l.add("a");
        l.add("n");
        l.add("f");
        l.add("o");
        l.add("u");
        l.add("n");
        l.add("d");
        l.add("r");
        l.add("y");
        Iterator i = l.iterator();
        while(i.hasNext())
        {
            if(i.next().equals("n"))
            System.out.println("Found 'n'");
        }
    }
}
```

a) No output
b) Found ‘n’
c)

Found 'n'

Found 'n'

d) Compilation Error
View Answer

9. What will be the output of the following Java code?

```
import java.util.*;
public class Size
{
     public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        for(int i=0;i<10;i++)
        {
            l.add(i);
        }
        System.out.println(l.size());
        l.clear();
        System.out.println(l.size());
    }
}
```

a)

9

9

b)

9

0

c)

10

0

d)

10

10

View Answer

10. What will be the output of the following Java code?

```
import java.util.*;
```

```java
public class hashCode
{
     public static void main(String args[])
    {
        LinkedList l = new LinkedList();
        l.add("Sanfoundry");
        System.out.println(l.hashCode());
        l.clear();
        System.out.println(l.hashCode());
        l.add("SANFOUNDRY");
        System.out.println(l.hashCode());
        l.clear();
        System.out.println(l.hashCode());
    }
}
```

a)

-599207512

1

-2107580024

1

b)

-599207512

-599207512

-599207512

-599207512

c)

1

1

1

1

d)

-599207512

1

-599207512

1

View Answer

11. What will be the output of the following Java code?

```
import java.util.*;
public class Stack
{
    public static void main(String args[])
    {
        Stack<String> stack = new Stack<String>();
        stack.push("A");
        stack.push("B");
        stack.pop();
        Iterator<String> itr=stack.iterator();
        while(itr.hasNext())
        {
            System.out.println(itr.next());
        }
    }
}
```

a) A
b) B
c)

B

A

d)

A

B

View Answer

12. What will be the output of the following Java code?

```
import java.util.*;
class TestJavaCollection1
{
    public static void main(String args[])
    {
        ArrayList<String> list=new ArrayList<String>();
        list.add("A");
        Iterator itr=list.iterator();
        while(itr.hasNext())
        {
            System.out.println(itr.next());
        }
    }
}
```

a) A
b) B
c) Null
d) Compilation error

1. What will be the output of the following Java code?

```
public class Inheritance
{
    public static void main(String[] args)
    {
        Super i = new Super();
        i.show();
    }
}
class Super
{
    public void show()
    {
       System.out.println("Base");
    }
}
 class Sub extends Super
{
    public void show()
    {
       System.out.println("Derived");
    }
}
```

a) Base
b) Compilation Error
c) Derived
d) Runtime Error
View Answer
2. What will be the output of the following Java code?

```
class Base
{
```

```
    public void show()
    {
       System.out.println("Base");
    }
}
class Derived extends Base
{
    public void show()
    {
       System.out.println("Derived");
    }
}
  public class Inheritance1
{
    public static void main(String[] args)
    {
        Base i = new Base();
        i.show();
    }
}
```

a) Base
b) Compilation Error
c) Derived
d) Runtime Error

View Answer

3. What will be the output of the following Java code?

```
class Base
{
    int a = 30;
    public void display()
    {
        System.out.println(a);
        System.out.println("Base");
    }
}
class Derived extends Base
{
    public void display()
    {
        System.out.println(a);
        System.out.println("Derived");
    }
}
public class InheritCall
{
    public static void main(String[] args)
    {
        Base b = new Derived();
        b.display();
    }
}
```

a)

30

Base

b)

30

Derived

c)

0

Base

d)

0

Derived

View Answer

4. What will be the output of the following Java code?

```
public class Inherit1
{
    public static void main(String[] args)
    {
        Base b = new Derived();
        b.print();
    }
}
class Base
{
    public static void print()
    {
        System.out.println("Base");
    }
}
class Derived extends Base
{
    public static void print()
    {
        System.out.println("Derived class");
    }
}
```

a) Base
b) Compilation Error
c) Derived class
d) Runtime Error
View Answer
5. What will be the output of the following Java code?

```
class Base
{
    public static void display()
    {
        System.out.println("Base");
    }
}
class Derived extends Base
{
    public static void display()
    {
        System.out.println("Derived");
    }
}
class Inheritance2
{
    public static void main(String[] args)
    {
        Base x = new Base();
        Base y = new Derived();
        Derived z = new Derived();
        x.display();
        y.display();
        z.display();
    }
}
```

a)

Base

Derived

Derived

b)

Derived

Derived

Base

c)

Base

Base

Derived

d) Compilation Error
View Answer
6. What will be the output of the following Java code?

```
class A
{
    public void Print()
    {
        System.out.println("A");
    }
}
class B extends A
{
    public void Print()
    {
        System.out.println("B");
    }
}
class C extends B
{
    public void Print()
    {
        super.super.Print();
        System.out.println("C");
    }
}
public class ExtendsCall
{
    public static void main(String[] args)
    {
        C c = new C();
        c.Print();
    }
}
```

a)

A

B

C

b)

C

C

C

c)

A

A

A

d) Compilation Error
View Answer
7. What will be the output of the following Java code?

```
class A
{
    public void Print()
    {
        System.out.println("A");
    }
}
class B extends A
{
    public void Print()
    {
        super.Print();
        System.out.println("B");
    }
}
class C extends B
{
    public void Print()
    {
        super.Print();
        System.out.println("C");
    }
}
public class ExtendsCall1
{
    public static void main(String[] args)
    {
        C c = new C();
        c.Print();
```

```
    }
}
```

a)

A

B

C

b)

A

B

B

c)

A

A

A

d)

C

C

C

View Answer

8. What will be the output of the following Java code?

```
class A
{
    int a = 10;
}
class B extends A
{
```

```
    int b = 20;
}
class C extends B
{
    int c = 30;
}
class D extends C
{
    public void calculate()
    {
        System.out.println(a*b*c);
    }
}
public class Multilevel
{
    public static void main(String[] args)
    {
        D d = new D();
        d.calculate();
    }
}
```

a) 20
b) 30
c) 2000
d) 6000

View Answer

9. What will be the output of the following Java code?

```
class A
{
    int a = 10;
}
class B extends A
{
    int b = 20;
}
class C extends B
{
    int c = 30;
}
class D extends C
{
    int c;
    public void calculate()
    {
        System.out.println(a*b*c);
    }
}
public class Default
{
    public static void main(String[] args)
    {
        D d = new D();
        d.calculate();
```

```
    }
}
```

a) 200
b) 6000
c) 0
d) 600

View Answer

10. What will be the output of the following Java code?

```
class A
{
    int a = 10;
}
class B extends A
{
    int b = 20;
}
class C extends A
{
    int b = 30;
}
class D extends B,C
{
    void disp()
    {
        System.out.println(b);
    }
}
public class Display
{
    public static void main(String[] args)
    {
        D d = new D();
        d.calculate();
    }
}
```

a) 20
b) 30
c) Compilation Error
d) Runtime Error

View Answer

11. What will be the output of the following Java code?

```
class A
{
    String s = "Sanfoundry";
}
class B extends A
{
    void position(int a)
    {
        System.out.println(s.charAt(a));
```

```
    }
}
public class Position
{
    public static void main(String[] args)
    {
       B b = new B();
       b.position(3);
    }
}
```

a) Compilation Error
b) n
c) a
d) f

View Answer

12. What will be the output of the following Java code?

```
class A
{
    int a = 69;
}
class B extends A
{
    void ascii()
    {
        System.out.println((char)a);
    }
}
public class Ascii
{
    public static void main(String[] args)
    {
       B b = new B();
       b.ascii();
    }
}
```

a) e
b) Compilation Error
c) E
d) Runtime Error

View Answer

13. What will be the output of the following Java code?

```
class A
{
    char ch = 'f';
}
class B extends A
{
    void ascii()
    {
        System.out.println((int)ch);
```

```
    }
}
public class AsciiValue
{
    public static void main(String[] args)
    {
       B b = new B();
       b.ascii();
    }
}
```

a) f
b) Compilation Error
c) F
d) Runtime Error

View Answer

14. What will be the output of the following Java code?

```
class A
{
    int a = 50;
}
class B extends A
{
    int a = 100;
}
public class PrintObject
{
    public static void main(String[] args)
    {
       A b = new B();
       System.out.println(b);
    }
}
```

a) 50, 100
b) 100, 50
c) B@2a139a55
d) A$B@2a139a55

View Answer

15. What will be the output of the following Java code?

```
class A
{
    String s = "Sanfoundry";
}
class B extends A
{
    void index(char ch)
    {
        System.out.println(s.indexOf(ch));
    }
}
public class Index
```

```
{
    public static void main(String[] args)
    {
       B b = new B();
       b.index('n');
    }
}
```

a) 3
b) 2
c) 6
d) 7

1. What will be the output of the following Java code?

```
class A
{
    int a = 10;
}
class B extends A
{
    void print()
    {
        System.out.println(a);
    }
}
public class Inheritance
{
    public static void main(String[] args)
    {
        B b = new B();
        b.print();
    }
}
```

a) 10
b) Compilation Error
c) 0
d) Runtime Error

2. What will be the output of the following Java code?

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

```
}
public class Single
{
    public static void main(String[] args)
    {
        A b = new B();
        b.print();
    }
}
```

a) A
b) Compilation Error
c) B
d) Runtime Error

View Answer

3. What will be the output of the following Java code?

```
class A
{
    void print()
    {
        System.out.println("A");
    }
}
class B extends A
{
    void print()
    {
        System.out.println("B");
    }
}
public class Single1
{
    public static void main(String[] args)
    {
        A a = new A();
        a.print();
    }
}
```

a) B
b) Runtime Error
c) A
d) Compilation Error

4. What will be the output of the following Java code?

```
class Base
{
    int a = 10;
    void display()
    {
        System.out.println(a);
        System.out.println("Base");
    }
```

```
}
class Derived extends Base
{
    int a = 20;
    void display()
    {
        System.out.println(a);
        System.out.println("Derived");
    }
}
public class Polymorphism
{
    public static void main(String[] args)
    {
        Base a = new Derived();
        a.display();
    }
}
```

a)

10

Base

b)

20

Base

c)

10

Derived

d)

20

Derived

View Answer

5. What will be the output of the following Java code?

```
class Base
```

```
{
    String s = "Sanfoundry";
}
class Derived extends Base
{
    void index()
    {
        System.out.println(s.indexOf('N'));
    }
}
public class Index
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.index();
    }
}
```

a) 3
b) 7
c) 2
d) -1

6. What will be the output of the following Java code?

```
class Base
{
    String s = "Single Inheritance";
}
class Derived extends Base
{
    void charAt()
    {
        System.out.println(s.charAt(8));
    }
}
public class Index1
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.charAt();
    }
}
```

a) I
b) e
c) n
d) h

View Answer

7. What will be the output of the following Java code?

```
class Base
```

```
{
    char ch = 'D';
}
class Derived extends Base
{
    void ascii()
    {
        System.out.println((int)ch);
    }
}
public class Ascii
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.ascii();
    }
}
```

a) 68
b) Compilation Error
c) 100
d) Runtime Error
View Answer

8. What will be the output of the following Java code?

```
class Base
{
    int a = 76;
}
class Derived extends Base
{
    void ascii()
    {
        System.out.println((char)a);
    }
}
public class Ascii1
{
    public static void main(String[] args)
    {
        Derived i = new Derived();
        i.ascii();
    }
}
```

a) L
b) Compilation Error
c) l
d) Runtime Error
View Answer

9. What will be the output of the following Java code?

```
class Base
```

```
{
    int a[] = {1,2,3,4,5,6};
}
class Derived extends Base
{
    void even()
    {
        for(int i = 0; i < a.length; i++)
        {
            if(i%2==0)
            {
                System.out.print(a[i]+" ");
            }
        }
    }
}
public class Array
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.even();
    }
}
```

a) 2 4 6
b) Compilation Error
c) 1 3 5
d) Runtime Error
View Answer

10. What will be the output of the following Java code?

```
class Base
{
    int x = 30;
}
class Derived extends Base
{
    int y = 45;
    void display()
    {
        System.out.println(this);
    }
}
public class ClassName
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.display();
    }
}
```

a) 30, 45
b) x = 30, y = 45

c) Derived@2a139a55
d) Base$Derived@2a139a55
View Answer
11. What will be the output of the following Java code?

```
class Base
{
    String s = "Sanfoundry";
}
class Derived extends Base
{
    Integer y = new Integer(47);
    void display()
    {
        System.out.println(s.getClass().getSuperclass());
        System.out.println(y.getClass().getSuperclass());
    }
}
public class ClassName1
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.display();
    }
}
```

a)

class java.lang.Object

class java.lang.Number

b)

class java.lang.String

class java.lang.Integer

c)

class java.io.Object

class java.io.Number

d)

class java.util.Object

class java.util.Number

View Answer

12. What will be the output of the following Java code?

```
class Base
{
    void print()
    {
        System.out.println("Base");
    }
}
class Derived extends Base
{
    void print()
    {
        super.print();
        System.out.println("Derived");
    }
}
public class Super
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.print();
    }
}
```

a)

Derived

Base

b) Derived
c) Base
d)

Base

Derived

View Answer

13. What will be the output of the following Java code?

```
class Base
{
    int a = 37;
```

```
}
class Derived extends Base
{
    int b = 45;
    void calculate()
    {
        System.out.println(a*b);
    }
}
public class Multiply
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.calculate();
    }
}
```

a) 0
b) Compilation Error
c) 1665
d) Runtime Error
View Answer

14. What will be the output of the following Java code?

```
import java.util.*;
class Base
{
    LinkedList l = new LinkedList();
    void sum()
    {
        int sum=0;
        Iterator i = l.iterator();
        while(i.hasNext())
        sum+=(int)i.next();
        System.out.println(sum);
    }
}
class Derived extends Base
{
    void add(int a)
    {
        l.add(a);
    }
}
public class Sum
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.add(31);
        a.add(36);
        a.add(28);
        a.add(51);
        a.sum();
```

```
    }
}
```

a) Compilation Error
b) 146
c) 129
d) Runtime Error
View Answer

15. What will be the output of the following Java code?

```
class Base
{
    String s = "San";
}
class Derived extends Base
{
    String s = "foundry";
    void print()
    {
        System.out.println(super.s+s);
    }
}
public class Sanfoundry
{
    public static void main(String[] args)
    {
        Derived a = new Derived();
        a.print();
    }
}
```

a) SanSan
b) foundryfoundry
c) Sanfoundry
d) Compilation Error

1. What will be the output of the following Java code?

```
class A
{
    public void Print()
    {
        System.out.println("A");
    }
}
class B extends A
{
    public void Print()
    {
        System.out.println("B");
    }
}
class C extends B
{
```

```
    public void Print()
    {
        System.out.println("C");
    }
}
public class Multilevel
{
    public static void main(String[] args)
    {
        B c = new C();
        c.Print();
    }
}
```

a) A
b) B
c) C
d) Compilation Error

View Answer

2. What will be the output of the following Java code?

```
class A
{
    public void Print()
    {
        System.out.println("A");
    }
}
class B extends A
{
    public void Print()
    {
        System.out.println("B");
    }
}
class C extends B
{
    public void Print()
    {
        super.super.Print();
        System.out.println("C");
    }
}
public class Multi1
{
    public static void main(String[] args)
    {
        B c = new C();
        c.Print();
    }
}
```

a)

A

B

C

b)

C

C

C

c)

A

A

A

d) Compilation Error
View Answer
3. What will be the output of the following Java code?

```
class A
{
    public void Print()
    {
        System.out.println("A");
    }
}
class B extends A
{
    public void Print()
    {
        super.Print();
        System.out.println("B");
    }
}
class C extends B
{
    public void Print()
    {
        super.Print();
        System.out.println("C");
    }
}
public class Multilevel2
```

```
{
    public static void main(String[] args)
    {
        B c = new C();
        c.Print();
    }
}
```

a)

A

B

C

b)

C

C

C

c)

A

A

A

d) Compilation Error

View Answer

4. What will be the output of the following Java code?

```
class A
{
    int a = 30;
}
class B extends A
{
    int b = 40;
}
class C extends B
{
    int c = 50;
```

```
    public void display()
    {
        System.out.println(a+b+c);
    }
}
public class Sum
{
    public static void main(String[] args)
    {
        C c = new C();
        c.display();
    }
}
```

a) 120
b) 40
c) 50
d) Compilation Error

5. What will be the output of the following Java code?

```
class A
{
    String s = "Sanfoundry";
}
class B extends A
{
    int b = 5;
}
class C extends B
{
    public void print()
    {
        System.out.println(s.charAt(b));
    }
}
public class CharAt
{
    public static void main(String[] args)
    {
        C c = new C();
        c.print();
    }
}
```

a) o
b) Compilation Error
c) u
d) Runtime Error

View Answer

6. What will be the output of the following Java code?

```
class A
{
    String s = "Sanfoundry";
```

```
}
class B extends A
{
    char ch = 'n';
}
class C extends B
{
    int a = 3;
    public void display()
    {
        System.out.println(s.indexOf(ch,a));
    }
}
public class IndexOf
{
    public static void main(String[] args)
    {
        C c = new C();
        c.display();
    }
}
```

a) 2
b) 3
c) 7
d) 6

View Answer

7. What will be the output of the following Java code?

```
class A
{
    int a = 67;
}
class B extends A
{
    char ch = (char)a;
}
class C extends B
{
    public void ascii()
    {
        System.out.println(ch);
    }
}
public class Ascii
{
    public static void main(String[] args)
    {
        C c = new C();
        c.ascii();
    }
}
```

a) C
b) Compilation Error
c) c

d) Runtime Error
View Answer
8. What will be the output of the following Java code?

```
import java.util.*;
class A
{
    LinkedList l = new LinkedList();
}
class B extends A
{
    void add(int a)
    {
        l.add(a);
    }
}
class C extends B
{
    public void sum()
    {
        int sum=0;
        Iterator i = l.iterator();
        while(i.hasNext())
        sum+=(int)i.next();
        System.out.println(sum);
    }
}
public class Sum
{
    public static void main(String[] args)
    {
        C c = new C();
        c.add(53);
        c.add(27);
        c.add(80);
        c.sum();
    }
}
```

a) 160
b) Compilation Error
c) 0
d) 120
View Answer
9. What will be the output of the following Java code?

```
class A
{
    String s = "San";
}
class B extends A
{
    String s = super.s+"foun";
}
class C extends B
```

```
{
    public void print()
    {
        System.out.println(s+"dry");
    }
}
public class Print
{
    public static void main(String[] args)
    {
        C c = new C();
        c.print();
    }
}
```

a) Sanfoundry
b) Sandry
c) foundry
d) Compilation Error

View Answer

10. What will be the output of the following Java code?

```
class A
{
    int a = 10;
}
class B extends A
{
    int b = 20;
}
class C extends B
{
    int c = 30;
}
public class ClassName
{
    public static void main(String[] args)
    {
        C c = new C();
        System.out.println(c);
    }
}
```

a) 10, 20, 30
b) a = 10, b = 20, c = 30
c) C@2a139a55
d) ABC@2a139a55

View Answer

11. What will be the output of the following Java code?

```
class A
{
    int x = 5;
}
class B extends A
```

```
{
    int fact = 1;
    void fact()
    {
        for(int i = 1; i<=x; i++)
        {
            fact*=i;
        }
    }
}
class C extends B
{
    void print()
    {
        System.out.println(fact);
    }
}
public class Factorial
{
    public static void main(String[] args)
    {
        C c = new C();
        c.fact();
        c.print();
    }
}
```

a) 5
b) 120
c) Compilation Error
d) 24

View Answer

12. What will be the output of the following Java code?

```
import java.util.*;
class A
{
    int a = 10;
}
class B extends A
{
    int b = 20;
}
class C extends B
{
    int c = 30;
}
class D extends C
{
    int c;
    public void multiply()
    {
        System.out.println(a*b*c);
    }
}
public class Multiply
```

```
{
    public static void main(String[] args)
    {
        D d = new D();
        d.multiply();
    }
}
```

a) 300
b) 6000
c) 0
d) 200

View Answer

13. What will be the output of the following Java code?

```
import java.util.*;
class A
{
    LinkedList l = new LinkedList();
}
class B extends A
{
    void add(int a)
    {
        l.add(a);
    }
}
class C extends B
{
    public void remove(int a)
    {
        l.remove(a);
    }
}
public class list
{
    public static void main(String[] args)
    {
        C c = new C();
        c.add(1);
        c.add(2);
        c.add(3);
        c.add(4);
        c.remove(3);
        System.out.println(c.l);
    }
}
```

a) [1, 2, 3]
b) [1, 2, 4]
c) {1, 2, 3}
d) {1, 2, 4}

View Answer

14. What will be the output of the following Java code?

```
class A
{
    int a = 30;
}
class B extends A
{
    int a = 40;
}
class C extends B
{
    public void display()
    {
        System.out.println(a);
    }
}
public class Parent
{
    public static void main(String[] args)
    {
        C c = new C();
        c.display();
    }
}
```

a) 30
b) Compilation Error
c) 40
d) Runtime Error
View Answer

15. What will be the output of the following Java code?

```
class A
{
    char ch = 'Y';
}
class B extends A
{
    int a = (int)ch;
}
class C extends B
{
    public void print()
    {
        System.out.println(a);
    }
}
public class Ascii1
{
    public static void main(String[] args)
    {
        C c = new C();
        c.print();
    }
}
```

a) 89
b) Compilation Error

c) 121
d) Runtime Error

1. What will be the output of the following Java code?

```
class A
{
    public void functionA()
    {
        System.out.println("Class A");
    }
}
class B extends A
{
    public void functionB()
    {
        System.out.println("Class B");
    }
}
class C extends A
{
  public void functionC()
  {
     System.out.println("Class C");
  }
}
public class Hierarchical1
{
    public static void main(String args[])
    {
        B obj1 = new B();
        C obj2 = new C();
        obj1.functionA();
        obj2.functionA();
    }
}
```

a)

class B

class B

b)

class C

class C

c)

class A

class A

d)

class B

class C

View Answer

2. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("123");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("456");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("789");
    }
}
public class Hierarchical2
{
    public static void main(String[] args)
    {
        Y ob1 = new Y();
        Z ob2 = new Z();
        ob1.A();
        ob2.C();
    }
}
```

a)

123

789

b)

123

456

c)

456

789

d)

123

456

789

View Answer

3. What will be the output of the following Java code?

```
class A
{
    public void X()
    {
        System.out.print("Welcome");
    }
}
class B extends A
{
    public void Y()
    {
        System.out.print(" to ");
    }
}
class C extends A
{
    public void Z()
    {
        System.out.print("Sanfoundry");
    }
}
public class Display
{
    public static void main(String[] args)
    {
```

```
        B obj1 = new B();
        C obj2 = new C();
        obj1.X();
        obj1.Y();
        obj2.Z();
    }
}
```

a) Welcome
b) Welcome to Sanfoundry
c) Sanfoundry
d) to

View Answer

4. What will be the output of the following Java code?

```
class A
{
    public void X()
    {
        System.out.print("Rank-");
    }
}
class B extends A
{
    public void Y()
    {
        System.out.print("1");
    }
}
class C extends A
{
    public void Z()
    {
        System.out.print("2");
    }
}
class D extends A
{
    public void Z()
    {
        System.out.print("3");
    }
}
public class Numbers
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        D obj3 = new D();
        obj1.X();
        obj3.Z();

    }
}
```

a) Rank-1
b) Rank-2
c) Rank
d) Rank-3
View Answer
5. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.print("#");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.print("@");
    }
}
class Z extends X
{
    public void C()
    {
         System.out.print("&");
    }
}
public class Symbols
{
    public static void main(String[] args)
    {
        Y ob1 = new Y();
        Z ob2 = new Z();
        ob1.B();
        ob2.C();
        ob2.A();
    }
}
```

a) @&#
b) #@&
c) @#&
d) &#@
View Answer
6. What will be the output of the following Java code?

```
class A
{
    static int a =5;
}
class B extends A
{
    B()
```

```
    {
        A.a = 10;
    }
}
class C extends A
{
    C()
    {
         A.a = 15;
    }
}
class D extends A
{
    D()
    {
        A.a = 20;
    }
}
public class DotOperator
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        D obj3 = new D();

        System.out.println(A.a);
    }
}
```

a) 5
b) 10
c) 15
d) 20

7. What will be the output of the following Java code?

```
final class A
{
    int a;
    A()
    {
        a=5;
    }
}
class B extends A
{
    int a;
    B()
    {
        A obj = new A();
        a = obj.a;
    }
}
class C extends A
{
```

```
    int a;
    C()
    {
        A obj = new A();
        a = obj.a;
    }
}
class D extends A
{
    int a;
    D()
    {
        A obj = new A();
        a = obj.a;
    }
}
public class Hierarchy
{
    public static void main(String[] args) {
        B obj1 = new B();
        C obj2 = new C();
        D obj3 = new D();
        A obj = new B();
        System.out.println(obj.a);
    }
}
```

a) 5
b) 10
c) Compilation Error
d) Runtime Error
View Answer

8. What will be the output of the following Java code?

```
class A
{
    protected void func()
    {
        System.out.println("Class A");
    }
}
class B extends A
{
    public void func()
    {
        System.out.println("Class B");
    }
}
class C extends A
{
    public void func()
    {
        System.out.println("Class C");
    }
}
```

```
public class Display1
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        A obj2 = new C();
        obj1.func();
        obj2.func();
    }
}
```

a)

Class B

Class A

b)

Class B

Class C

c)

Class C

Class A

d) Runtime Error

View Answer

9. What will be the output of the following Java code?

```
class A
{
    int a = 10;
}
class B extends A
{
    int a = super.a;
}
class C extends A
{
    int c = a+10;
}
public class Add
{
    public static void main(String[] args)
    {
```

```
        B obj1 = new B();
        C obj2 = new C();
        System.out.println(obj1.a + obj2.c);
    }
}
```

a) 10
b) 20
c) 30
d) Runtime Error
View Answer

10. What will be the output of the following Java code?

```
class A
{
    A()
    {
        System.out.println("Class A");
    }
}
class B extends A
{
    B()
    {
        System.out.println("Class B");
    }
}
class C extends A
{
    C()
    {
        System.out.println("Class C");
    }
}
public class MultipleObjects
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
    }
}
```

a)

Class A

Class B

Class A

Class C

b)

Class B

Class C

c)

Class A

Class B

Class C

d) Runtime Error

View Answer

11. What will be the output of the following Java code?

```
class A
{
    public void X()
    {
        System.out.print("Bangalore-");
    }
}
class B extends A
{
    public void Y()
    {
        System.out.print("560102");
    }
}
class C extends A
{
    public void Z()
    {
        System.out.print("560108");
    }
}
public class Details
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        obj2.X();
        obj2.Z();
    }
}
```

a) 560102
b) Bangalore-560102
c) Bangalore-560108
d) 560108
View Answer
12. What will be the output of the following Java code?

```
class A
{
    int a=10, b=5;
}
class B extends A
{
    public void Y()
    {
        System.out.println(a+b);
    }
}
class C extends A
{
    public void Z()
    {
        System.out.print(a*b);
    }
}
public class SumandProduct
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        obj1.Y();
        obj2.Z();
    }
}
```

a)

15

50

b) 15 50
c)

50

15

d) 50 15

View Answer

13. What will be the output of the following Java code?

```
import java.lang.Math;
class A
{
    int a=9;
}
class B extends A
{
    public void Y()
    {
        System.out.println(Math.sqrt(a));
    }
}
class C extends A
{
    public void Z()
    {
        System.out.println(Math.pow(a,2));
    }
}
public class Power
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        obj1.Y();
        obj2.Z();
    }
}
```

a)

3.0

81.0

b)

3.0

3.0

c)

81.0

3.0

d)

3.0

9.0

View Answer

14. What will be the output of the following Java code?

```
class A
{
    private int a = 10;
}
class B extends A
{
    int b = a;
}
class C extends A
{
    int c = a;
}
public class PrivateVariable
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        System.out.println(obj1.b+obj2.c);
    }
}
```

a) 20
b) 30
c) 40
d) Compile time Error

View Answer

15. What will be the output of the following Java code?

```
class A
{
    int a;
    A()
    {
        a=50;
    }
}
class B extends A
{
    int b= a;
```

```
}
class C extends A
{
    int c = a;
}
public class Hierarchical15
{
    public static void main(String[] args)
    {
        B obj1 = new B();
        C obj2 = new C();
        System.out.println(obj1.b+obj2.c);
    }
}
```

a) 50
b) 100
c) Runtime Error
d) Compile time Error

1. What will be the output of the following Java code?

```
class A
{
   public void disp()
   {
        System.out.println("Class A");
   }
}
class B extends A
{
   public void disp()
   {
        System.out.println("Class B");
   }
}
class C extends A
{
   public void disp()
   {
        System.out.println("Class C");
   }
}
public class Display extends C
{
   public void disp()
   {
        System.out.println("Class D");
   }
   public static void main(String args[])
   {
        Display obj = new Display();
        obj.disp();
   }
}
```

a) Class A
b) Class B
c) Class C
d) Class D

2. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("1");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("2");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("3");
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println("4");
    }
}
public class Numbers
{
    public static void main(String[] args)
    {
        Z ob1=new Z();
        V ob2=new V();
        ob1.A();
        ob2.B();
    }
}
```

a)

1

2

b)

2

3

c)

3

4

d)

1

4

View Answer

3. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("123");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("456");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("789");
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println("10");
    }
}
public class Hybrid1
{
    public static void main(String[] args)
```

```
    {
        Y obj=new Y();
        V obj2=new V();
        obj.A();
        obj2.B();
    }
}
```

a)

123

456

b)

789

10

c)

456

123

d)

123

10

View Answer

4. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("Add");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("Subtract");
```

```
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("Divide");
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println("Multiply");
    }
}
public class Hybrid2
{
    public static void main(String[] args)
    {
        V obj=new V();
        obj.A();
    }
}
```

a) Add
b) Subtract
c) Divide
d) Multiply

5. What will be the output of the following Java code?

```
class A
{
    public void disp()
    {
            System.out.println("Rank 1");
    }
}
class B extends A
{
    public void disp()
    {
            System.out.println("Rank 2");
    }
}
class C extends A
{
    public void disp()
    {
            System.out.println("Rank 3");
    }
}
public class Hybrid3 extends C
{
    public void disp()
```

```
    {
            System.out.println("Rank 4");
    }
    public static void main(String args[])
    {
            Hybrid3 obj = new Hybrid3();
            obj.disp();
    }
}
```

a) Rank 1
b) Rank 2
c) Rank 3
d) Rank 4

6. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("%");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("#");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("@");
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println("&");
    }
}
public class Symbol
{
    public static void main(String[] args)
    {
        V obj=new V();
        Z obj2=new Z();
        obj.A();
        obj2.C();
    }
}
```

a)

#

@

b)

&

@

c)

&

%

d)

%

@

View Answer

7. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("Bangalore");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("Delhi");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("Kolkata");
    }
```

```
}
class V extends Y
{
    public void D()
    {
        System.out.println("Chennai");
    }
}
public class Cities
{
    public static void main(String[] args)
    {
        V obj=new V();
        Z obj2=new Z();
        obj.A();
        obj2.A();
    }
}
```

a)

Bangalore

Bangalore

b)

Bangalore

Delhi

c)

Delhi

Chennai

d)

Kolkata

Chennai

View Answer

8. What will be the output of the following Java code?

```
class X
```

```
{
    public void A()
    {
        System.out.println("India-New Delhi");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("USA-Washington, D.C.");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("England-London");
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println("Australia-Canberra");
    }
}
public class Capitals
{
    public static void main(String[] args)
    {
        V obj=new V();
        Z obj2=new Z();
        obj.A();
        obj.D();
        obj2.C();
    }
}
```

a)

India-New Delhi

Australia-Canberra

England-London

b)

India-New Delhi

USA-Washington, D.C.

England-London

c)

USA-Washington, D.C.

Australia-Canberra

India-New Delhi

d)

Australia-Canberra

India-New Delhi

USA-Washington, D.C.

View Answer

9. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("Living");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("Humans");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("Animals");
    }
}
class V extends Z
{
    public void D()
    {
        System.out.println("Dog");
    }
}
```

```
public class Pets
{
    public static void main(String[] args)
    {
        V obj=new V();
        Z obj2=new Z();
        obj.A();
        obj2.C();
        obj.D();
    }
}
```

a)

Living

Animals

Dog

b)

Living

Humans

Dog

c)

Animals

Living

Dog

d)

Dog

Humans

Animals

View Answer

10. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("Hybrid Inheritance");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("Single Inheritance");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("Hierarchical Inheritance");
    }
}
class V extends Z
{
    public void D()
    {
        System.out.println("Multilevel Inheritance");
    }
}
public class Inheritance1
{
    public static void main(String[] args)
    {
        V obj=new V();
        obj.A();
    }
}
```

a) Multilevel Inheritance
b) Hybrid Inheritance
c) Single Inheritance
d) Hierarchical Inheritance

View Answer

11. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("C");
    }
}
class Y extends X
{
```

```
    public void B()
    {
        System.out.println("Python");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("C++");
    }
}
class V extends Y, Z
{
    public void D()
    {
        System.out.println("Java");
    }
}
public class Programming
{
    public static void main(String[] args)
    {
        V obj=new V();
        obj.A();
        obj.B();
        obj.C();
        obj.D();
    }
}
```

a)

C

Java

C++

Python

b)

Java

Python

C++

C

c)

C++

Python

Java

C

d) Compilation Error
View Answer
12. What will be the output of the following Java code?

```
class X
{
    public void A()
    {
        System.out.println("Superclass");
    }
}
class Y extends X
{
    public void B()
    {
        System.out.println("Subclass of X");
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println("Subclass of X");
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println("Subclass of Y");
    }
}
public class Superclass
{
    public static void main(String[] args)
    {
        V obj=new V();
        obj.A();
        obj.D();
    }
}
```

a)

Superclass

Subclass of Y

b)

Superclass

Subclass of X

c)

Subclass of X

Subclass of Y

d)

Superclass

Superclass

View Answer

13. What will be the output of the following Java code?

```
class X
{
        int a;
}
class Y extends X
{
    public void B()
    {
        a=10;
        System.out.println(a);
    }
}
class Z extends X
{
    public void C()
    {
        a=5;
        System.out.println(a);
    }
}
```

```
class V extends Y
{
    public void D()
    {
        a=15;
        System.out.println(a);
    }
}
public class Value
{
    public static void main(String[] args)
    {
        V obj=new V();
        obj.B();
        obj.D();
    }
}
```

a)

5

10

b)

10

15

c)

15

10

d)

5

15

View Answer

14. What will be the output of the following Java code?

```
class X
{
```

```
    int a=2,b=5;
}
class Y extends X
{
    public void B()
    {
        System.out.println(a+b);
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println(a-b);
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println(a*b);
    }
}
public class Calculation
{
    public static void main(String[] args)
    {
        V obj=new V();
        Z obj2=new Z();
        obj.B();
        obj.D();
        obj2.C();
    }
}
```

a)

7

10

-3

b)

10

-3

7

c)

7

-3

10

d)

-3

10

7

View Answer

15. What will be the output of the following Java code?

```
class X
{
        int a=4,b=8;
}
class Y extends X
{
    public void B()
    {
        System.out.println(Math.pow(a,b));
    }
}
class Z extends X
{
    public void C()
    {
        System.out.println(Math.sqrt(a));
    }
}
class V extends Y
{
    public void D()
    {
        System.out.println(Math.cbrt(b));
    }
}
public class Operations
{
    public static void main(String[] args)
    {
        V obj=new V();
        Z obj2=new Z();
```

```
        obj.B();
        obj.D();
        obj2.C();
    }
}
```

a)

2.0

2.0

2.0

b)

1024.0

2.0

2.0

c)

2.0

4.0

8.0

d)

65536.0

2.0

2.0

Method Overloading

1. What will be the output of the following Java code?

```
class Calc
{
    public int disp()
    {
        return 10;
    }
    public long disp()
    {
        return 11;
    }
    public static void main(String[] args)
    {
        Calc obj = new Calc();
        System.out.println(obj.disp());
    }
}
```

a) 10
b) 11
c) Compilation Error
d) Null

View Answer

2. What will be the output of the following Java code?

```
class Calc1
{
    public int disp()
    {
        return 10;
    }
    public long disp(int a)
    {
        return 11;
    }
    public static void main(String[] args)
    {
        Calc obj = new Calc();
        System.out.println(obj.disp(11));
    }
}
```

a) 10
b) 11
c) Compilation Error
d) Null

View Answer

3. What will be the output of the following Java code?

```
class Display
{
    private static void display(int a)
    {
        System.out.println(a);
    }
    private static void display(int a, int b)
```

```
    {
        System.out.println(a +" "+ b);
    }
    public static void main(String[] args)
    {
        display(5);
    }
}
```

a) 5
b) 4
c) Compilation Error
d) 1 4

View Answer

4. What will be the output of the following Java code?

```
class Float
{
    static void display(int a, float b)
    {
        System.out.println(a +" "+ b);
    }
    public static void main(String[] args)
    {
        display(1, 4);
    }
}
```

a) 1.0 4.0
b) 1 4.0
c) Compilation Error
d) 1 4

View Answer

5. What will be the output of the following Java code?

```
class PrintValue
{
    private static void display(int a)
    {
        System.out.println("string");
    }
    private static void display(String a)
    {
        System.out.println("int");
    }
    public static void main(String[] args)
    {
        display("Hello");
    }
}
```

a) string
b) int
c) Compilation Error

d) Hello
View Answer
6. What will be the output of the following Java code?

```
class DataType
{
    static void print(int a)
    {
        System.out.println("string");
    }
    static void print(String a, int c)
    {
        System.out.println("int");
    }
    public static void main(String[] args)
    {
        print("0");
    }
}
```

a) 0
b) int
c) string
d) Compilation error
View Answer
7. What will be the output of the following Java code?

```
class StringandInteger
{
    static void print(int a)
    {
        System.out.println("string");
    }
    static void print(String a, int c)
    {
        System.out.println("int");
    }
    public static void main(String[] args)
    {
        print("0",5);
    }
}
```

a) 0
b) int
c) string
d) compilation error
View Answer
8. What will be the output of the following Java code?

```
class StringandInteger2
{
    static void print(int a)
    {
```

```
        System.out.println("string");
    }
    static void print(String a, int c)
    {
        System.out.println("int");
    }
    public static void main(String[] args)
    {
        print(150,"int");
    }
}
```

a) 0
b) int
c) string
d) compilation error

View Answer

9. What will be the output of the following Java code?

```
class Sum
{
    static void calc(int a)
    {
        System.out.println(a+a);
    }
    static void print(double a, int c)
    {
        System.out.println(a+c);
    }
    public static void main(String[] args)
    {
        print(15.0,5);
    }
}
```

a) 15.5
b) 20.0
c) 20
d) Compilation Error

View Answer

10. What will be the output of the following Java code?

```
class Sum2
{
    static void print(int a)
    {
        System.out.println(a+a);
    }
    static void print(float a, int c)
    {
        System.out.println(a+c);
    }
    public static void main(String[] args)
    {
        print(15.0,5);
```

```
    }
}
```
a) 15.5
b) 20.0
c) 20
d) Compilation Error
View Answer
11. What will be the output of the following Java code?

```
class FloatAdd
{
    static void print(float a, double b)
    {
        System.out.println(a+a);
    }
    static void print(float a, float c)
    {
        System.out.println(a+c);
    }
    public static void main(String[] args)
    {
        print(15.0,5.0);
    }
}
```
a) 15.5
b) 20.0
c) 20
d) Compilation Error
View Answer
12. What will be the output of the following Java code?

```
class FloatAdd2
{
    static void calc(float a, double b)
    {
        System.out.println(a+a);
    }
    static void calc(float a,float c)
    {
        System.out.println(a+c);
    }
    public static void main(String[] args)
    {
        calc(15.0f,5.0);
    }
}
```
a) 30.0
b) 20.0
c) 20
d) Compilation Error
View Answer
13. What will be the output of the following Java code?

```
class PointAdd
{
    static void calc(float a, double b)
    {
        System.out.println(a+a);
    }
    static void calc(float a,int c)
    {
        System.out.println(a+c);
    }
    public static void main(String[] args)
    {
        calc(15.0f, 10);
    }
}
```

a) 30.0
b) 20.0
c) 25.0
d) Compilation Error

View Answer

14. What will be the output of the following Java code?

```
class Calculations
{
    static float calc(float a, double b)
    {
        return(a+a);
    }
    static float calc(float a,int c)
    {
        return(a+c);
    }
    public static void main(String[] args)
    {
        System.out.println(calc(15.0f,1));
    }
}
```

a) 30.0
b) 20.0
c) 16.0
d) Compilation Error

View Answer

15. What will be the output of the following Java code?

```
class Calculation2
{
    static float calc(float a, double b)
    {
        return(a*b);
    }
    static int calc(int a,int c)
    {
        return(a+c);
```

```
    }
    public static void main(String[] args)
    {
        System.out.println(calc(15,0));
    }
}
```

a) 15
b) 0
c) 16
d) Compilation Error

1. What will be the output of the following Java code?

```
class Base
{
    public void show()
    {
       System.out.println("Base");
    }
}
class Derived extends Base
{
    public void show()
    {
       System.out.println("Derived");
    }
}
public class Overriding
{
    public static void main(String[] args)
    {
        Base i = new Derived();
        i.show();
    }
}
```

a) Base
b) Compilation Error
c) Derived
d) Runtime Error

View Answer

2. What will be the output of the following Java code?

```
class Base
{
    public void show(int a)
    {
       System.out.println("1");
    }
    public void show(double a)
    {
       System.out.println("2");
    }
}
```

```
class Derived extends Base
{
    public void show(int a)
    {
       System.out.println("3");
    }
    public void show(double a)
    {
       System.out.println("4");
    }
}
public class Override
{
    public static void main(String[] args)
    {
        Base i = new Derived();
        i.show(10.0);
    }
}
```

a) 3
b) 1
c) 4
d) 2

View Answer

3. What will be the output of the following Java code?

```
public class Main
{
    public String toString()
    {
        return "Obj";
    }
    public static void main(String[] args)
    {
        System.out.println(new Main());
    }
}
```

a) Compilation Error
b) Main@2a139a55
c) Obj
d) Runtime Error

View Answer

4. What will be the output of the following Java code?

```
public class A
{
    public void toString()
    {
        System.out.println("Obj");
    }
    public static void main(String[] args)
    {
```

```
        A a = new A();
        a.toString();
    }
}
```

a) Compilation Error
b) Main@2a139a55
c) Obj
d) Runtime Error

View Answer

5. What will be the output of the following Java code?

```
class B
{
    protected final void Display()
    {
        System.out.println("B");
    }
}
public class C extends B
{
    protected final void Display()
    {
        System.out.println("C");
    }
    public static void main(String[] args)
    {
        B obj = new B();
        obj.Display();
    }
}
```

a) B
b) C
c) Runtime error
d) Compilation error

View Answer

6. What will be the output of the following Java code?

```
class Derived1
{
    public int print()
    {
        System.out.println("Derived class");
        return 0;
    }
}
public class Base1 extends Derived1
{
    public void print()
    {
        System.out.println("Base class");
    }
    public static void main(String[] args)
```

```
    {
        Derived1 obj = new Derived1();
        obj.print();
    }
}
```

a) Base Class
b) Derived Class
c) Runtime error
d) Compilation error

View Answer

7. What will be the output of the following Java code?

```
class Derived
{
    public void print()
    {
        System.out.println("Derived class");
    }
}
public class Over extends Derived
{
    protected void print()
    {
        System.out.println("Base class");
    }
    public static void main(String[] args)
    {
        Derived obj = new Over();
        obj.print();
    }
}
```

a) Base Class
b) Derived Class
c) Runtime error
d) Compilation error

View Answer

8. What will be the output of the following Java code?

```
class Derived
{
    protected void print()
    {
        System.out.println("Derived class");
    }
}
public class Override1 extends Derived
{
    public void print()
    {
        System.out.println("Base class");
    }
    public static void main(String[] args)
```

```
    {
        Derived obj = new Override1();
        obj.print();
    }
}
```

a) Base Class
b) Derived Class
c) Runtime error
d) Compilation error

View Answer

9. What will be the output of the following Java code?

```
class Derived
{
    public void display()
    {
        System.out.print("Derived class");
    }
}
public class OverRiding extends Derived
{
    public void display()
    {
        System.out.print("Base class");
        super.display();
    }
    public static void main(String[] args)
    {
        Derived obj = new OverRiding();
        obj.display();
    }
}
```

a) Base ClassDerived Class
b) Derived ClassBase Class
c) Runtime error
d) Compilation error

View Answer

10. What will be the output of the following Java code?

```
import java.io.IOException;

class Derived
{
    public void print() throws IOException
    {
        System.out.println("IOE");
    }
}
public class Exceptions extends Derived
{
    public void print() throws Exception
    {
```

```
        System.out.println("Exception");
    }
    public static void main(String[] args) throws IOException
    {
        Derived obj = new Exceptions();
        obj.print();
    }
}
```

a) Exception
b) IOE
c) Runtime error
d) Compilation error

View Answer

11. What will be the output of the following Java code?

```
class Base
{
    public void display()
    {
        String s = "San";
        System.out.print(s);

    }
}
class Derived extends Base
{
    public void display()
    {
        String s = "foundry";
        System.out.print(s);
        super.show();
    }
}
public class Display
{
    public static void main(String[] args)
    {
        Base i = new Derived();
        i.display();
    }
}
```

a) Sanfoundry
b) foundrySan
c) San
d) Compilation Error

View Answer

12. What will be the output of the following Java code?

```
class Base
{
    public void position()
    {
```

```
        String s = "Sanfoundry";
        System.out.println(s.charAt(3));
    }
}
class Derived extends Base
{
    public void position()
    {
        String s = "JAVA";
        System.out.print(s.charAt(2));
    }
}
public class Position
{
    public static void main(String[] args)
    {
        Base i = new Derived();
        i.position();
    }
}
```

a) A
b) V
c) n
d) f

View Answer

13. What will be the output of the following Java code?

```
class Base
{
    public void show()
    {
        System.out.println(this);
    }
}
class Derived extends Base
{
    public void show()
    {
        System.out.println(this);
    }
}
public class PrintObject
{
    public static void main(String[] args)
    {
        Base i = new Derived();
        i.show();
    }
}
```

a) this
b) Derived
c) Base@2a139a55

d) Derived@2a139a55
View Answer
14. What will be the output of the following Java code?

```
class Base
{
    public void display()
    {
        String s = "San";
        System.out.print(s);
    }
}
class Derived extends Base
{
    public void display()
    {
        String s = "foundry";
        System.out.print(s);
        super.show();
    }
}
public class Print
{
    public static void main(String[] args)
    {
        Base i = new Base();
        i.display();
    }
}
```

a) Sanfoundry
b) foundrySan
c) San
d) Compilation Error
View Answer
15. What will be the output of the following Java code?

```
class Base
{
    private void show()
    {
        System.out.println("A");
    }
}
class Derived extends Base
{
    private void show()
    {
        System.out.println("B");
    }
}
public class Private
{
    public static void main(String[] args)
```

```
    {
        Base i = new Derived();
        i.show();
    }
}
```

a) A
b) B
c) Runtime Error
d) Compilation Error