```
1. Write the output?
   public class H
   \{
   }
   public class I
   {
   }
   public class J
   {
       public static void main(String[] args)
       {
           System.out.println("from J class");
       }
2. Write the output?
  class X
  {
   public static void main(String[] args)
   {
       int x, y, z = 10, p;
       x = 10;
       y = p = 20;
       System.out.println(x);
       System.out.println(y);
       System.out.println(z);
       System.out.println(p);
```

```
}
3. Write the output?
class Z
{
   public static void main(String[] args)
   {
       int i;
       System.out.println(i);
   }
}
4. Write the output?
class A
{
   public static void main(String[] args)
   {
       int i;
       int j = i;
       System.out.println(i);
       System.out.println(j);
   }
}
```

```
5. Write the output?
class E
{
   public static void main(String[] args)
   {
       int i;
       int j = 10 + i;
       System.out.println(i);
       System.out.println(j);
   }
}
6. Write the output?
class F
{
   public static void main(String[] args)
   {
       int i;
       int j = 10 + (i = 2) + i;
       System.out.println(i);
       System.out.println(j);
   }
}
```

```
}
9. What is the output?
   class V
   {
       public static void main(String[] args)
       {
           int i = 0;
           int j = ++i + --i + ++i + i +
               --i + i + --i + i +
              ++i + ++i + --i + i +
               --i + i + --i + i;
          System.out.println(i);
          System.out.println(j);
       }
   }
10. What is the output?
   class F
   {
       public static void main(String[] args)
       {
           int i = 10;
           if(i = 10)
           {
              System.out.println("from if");
           }
```

```
FSD Training
                       Test 1
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           System.out.println("end of main");
        }
    }
11. What is the output?
class J
{
    public static void main(String[] args)
    \{
        boolean flag = false;
        if(!flag)
        {
           System.out.println("from if");
        System.out.println("end of main");
    }
}
12. What is the output?
class S
{
    public static void main(String[] args)
    {
        int i = 0;
        if((i++ == 1) \&\& (i++ == 1))
        {
           System.out.println("from if");
```

```
i++;
       }
       System.out.println("end of main");
       System.out.println(i);
   }
}
13. What is the output?
class U
{
   public static void main(String[] args)
   {
       boolean flag = true;
       if((flag = false) && (flag = true))
       {
          System.out.println("from if");
       }
       System.out.println("end of main");
       System.out.println(flag);
   }
}
```

}

```
19.What is the output?
class F
{
   public static void main(String[] args)
   {
       else
       {
           System.out.println("from else");
       }
       System.out.println("main end");
   }
20. Write the output?
   class J
   {
   public static void main(String[] args)
   {
       if(false)
       if(true)
           System.out.println("inner if");
       else
           System.out.println("else1");
       else
           System.out.println("else2");
```

```
class 0
  {
   public static void main(String[] args)
   {
       if(false)
       {
          System.out.println("from if");
       }
       else if(false)
       {
          System.out.println("from else if");
       else if(false)
       {
          System.out.println("from else if 2");
       else
       {
          System.out.println("from last else");
       }
   }
22. What is the output?
   class P
  {
   public static void main(String[] args)
```

```
FSD Training
                       Test 1
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        {
           System.out.println("from if");
        }
        System.out.println();
        else if(false)
        {
           System.out.println("from else if");
        else if(false)
        {
           System.out.println("from else if 2");
       else
        {
           System.out.println("from last else");
        }
    }
24. What is the output?
    class D
   {
    public static void main(String[] args)
    {
        for(int i = 0; i < 10; i++)
        {
           System.out.println("i value:" + i);
```

```
FSD Training
                       Test 1
                                    Max Duration: 2hr
       System.out.println("main end:" + i);
   }
   }
25. What is the output?
    class G
   {
   public static void main(String[] args)
    {
       for(int i = 0; i < 10; i++);
       System.out.println("loop:" + i);
       System.out.println("main");
   }
26. What is the output?
    class M
   public static void main(String[] args)
    {
       int i,j;
       for(i = 0, j = 20;
        (i < 15 || j > 15);
           i++, j--)
       {
           System.out.println(i + "," + j);
```

```
FSD Training
                       Test 1
                                    Max Duration: 2hr
        System.out.println(i + "," + j);
    }
   }
27. What is the output?
    class 0
   {
    public static void main(String[] args)
    {
        int i,j;
        for(i = 0, j = 20;
        (i < 15 \&\& j > 15);
           i++, j--)
        {
           System.out.println(i + "," + j);
        }
        System.out.println(i + "," + j);
28. What is the output?
    class Q
   {
    public static void main(String[] args)
    {
        for(int i = 0; i < 10; i++)
        {
```

```
FSD Training
                       Test 1
                                    Max Duration: 2hr
           System.out.println("loop begin");
            if(i > 5)
            {
               continue;
           System.out.println("loop end");
        System.out.println("main end");
   }
   }
29. What is the output?
    class U
   {
    public static void main(String[] args)
    {
        for(int i = 0; i < 2; i++)
        {
           System.out.println("loop1 begin");
           for(int j = 0; j < 5; j++)
            {
               System.out.println("loop2 begin");
               if(j > 2)
               {
                   break;
               }
               System.out.println("loop2 end");
```

do

```
FSD Training
                         Test 1
                                       Max Duration: 2hr
        {
            System.out.println("loop1 begin:" + i);
             int j = 0;
            do
             {
                 System.out.println("loop2 begin:" + j);
                 j++;
                 System.out.println("loop2 end:" + j);
             }
            while (j < 2);
             i++;
            System.out.println("loop1 end:" + i);
        while (i < 3);
33. Write the output?
class D
{
    static int i;
    static int j;
    public static void main(String[]args)
    {
       System.out.println(i);
       System.out.println(j);
        i = 10;
       j = 20;
       System.out.println(i);
```

35. Write the output? class V { static int i = 10; static int j = i; static int m = n; static int n = j; public static void main(String[]args) { System.out.println(i); System.out.println(j); System.out.println(m); } }

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```
System.out.println(n);
}
36. Write the output?
class X
{
     static int test1()
     {
         return 1;
     }
     static int i = test1() + test2();
     static int test2()
     {
         return 2;
     public static void main(String[]args)
     {
         System.out.println(i);
     }
 }
37. Write the output?
class Z
{
     static int i = test();
     static int j = 10;
     static int test()
     {
         return j;
    public static void main(String[]args)
     {
         System.out.println(i);
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```

```
39. Write the output?
class N
{
    static int i=10;
    static
    {
       System.out.println("N-SIB");
     }
} class O
{
    static
    {
       Static
     {
       System.out.println("N-SIB");
     }
} class O
{
    static
     {
       System.out.println("N-SIB");
     }
} class O
{
    static
     {
       System.out.println("N-SIB");
     }
}
```

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```
FSD Training
                            Test 1
      System.out.println("0-SIB");
   public static void main(String[]args)
         System.out.println("0-main-b");
         System.out.println(N.i);
         System.out.println(N.i);
         System.out.println(N.i);
         System.out.println("O-main-e");
   }
 }
40. Write the output?
class U
{
static
 {
System.out.println("U-SIB");
public static void main(String[]args)
System.out.println("U-main");
}
class V
{
static
{
System.out.println("V-SIB");
}
public static void main(String[]args)
System.out.println("V-main-begin");
```

Max Duration: 2hr

```
FSD Training
                            Test 1
                                            Max Duration: 2hr
U.main(args);
System.out.println("----");
U.main(null);
System.out.println("V-main-end");
}
41. Write the output?
class D
{
static int i;
static
i=10;
}
public static void main(String[]args)
{
System.out.println(i);
}
}
42. Write the output?
class F
{
     static
     {
      i=1;
     }
     static int i=2;
    public static void main(String[]args)
    {
```

```
FSD Training
                            Test 1
                                             Max Duration: 2hr
     System.out.println(i);
    }
}
43. Write the output?
class I
{
      static int i=test();
      static
      {
          System.out.println("SIB1");
      }
      static int test()
          System.out.println("test");
          return 10;
      }
      public static void main(String[]args)
      {
         System.out.println("done");
         System.out.println(i);
      }
      static
      {
```

System.out.println("SIB2");

}

}

```
44. Write the output?
class J
{
     static int i=test();
     static
     {
      System.out.println("Sib begin");
          main(null);
      System.out.println("Sib end");
     static int test()
     System.out.println("test begin");
          main(null);
     System.out.println("test end");
          return 20;
     public static void main(String[]args)
     System.out.println("main"+i);
}
45. Write the output?
class I
{
      static int i = test();
      static
      {
          System.out.println("SIB1");
      static int test()
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```

```
System.out.println("test");
          return 10;
      }
      public static void main(String[]args)
         System.out.println("done");
         System.out.println(i);
      }
      static
      {
          System.out.println("SIB2");
      }
}
46. Write the output?
class P
{
    static
    {
        System.out.println("P-SIB");
    }
    static void test1()
    {
        System.out.println("from test1");
    }
}
class Q
{
    public static void main(String[]args)
    {
        System.out.println("----");
        P.test1();
        P.test1();
        P.test1();
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```

```
FSD Training
                            Test 1
        System.out.println("----");
    }
    static
    {
        System.out.println("Q-SIB");
    }
}
47. Write the output?
 class C
{
    public static void test1()
    {
        System.out.println("from test1");
    public static void main(String[] args)
    {
        System.out.println("from main");
    public static void test2()
    {
        System.out.println("from test2");
    }
}
48. Write the output?
 class L
{
    public static void main(String[] args)
    {
        System.out.println("from main");
```

Max Duration: 2hr

```
return 100;
    }
}
49. Write the output?
 class M
{
   public static void main(String[] args)
    {
        System.out.println("main begin");
        return;
        System.out.println("main end");
    }
}
50. Write the output?
class N
{
    public static void main(String[] args)
    {
        System.out.println("main begin");
        if(true)
        {
            System.out.println("from if");
            return;
        }
        System.out.println("main end");
    }
}
```

```
51. Write the output?
 class G
{
   public static void main(String[] args)
    {
       System.out.println("main begin");
       test1();
       System.out.println("main end");
    }
   public static void test1()
       System.out.println("test1 begin");
       test2();
       System.out.println("test1 end");
    }
    public static void test2()
    {
       System.out.println("test2 begin");
       System.out.println("test2 end");
    }
}
52. Write the output?
 class R
{
    static int i = test();
    static
    {
         System.out.println("SIB:" + i);
```

Max Duration: 2hr

```
i = 10;
    }
   public static int test()
   {
        System.out.println("test:" + i);
        return 69;
    }
   public static void main(String[] args)
   {
        System.out.println("main begin:" + i);
        i = 33;
        System.out.println(test());
        System.out.println("main end:" + i);
   }
}
53. Write the output?
class A
{
   int i;
   public static void main(String[]args)
    {
        System.out.println(i);
```

```
Test 1
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    }
}
54. Write the o/p?
class W
{
    int i;
    static W test(W w1)
    {
        W w2 = new W();
        w2.i = w1.i;
        return w2;
    }
    public static void main(String[]args)
    {
        W obj = new W();
        obj.i = 20;
        W rv = test(obj);
        System.out.println(rv.i);
    }
}
55. Write the o/p?
class X
{
    int i;
    static void test(X obj1, X obj2)
    {
        int i = obj1.i;
```

```
Test 1
                                       Max Duration: 2hr
FSD Training
        obj1.i = obj2.i;
        obj2.i = i;
    }
    public static void main(String[] args)
    {
        X \times 1 = \text{new } X(), \times 2 = \text{new } X();
        x1.i = 10;
        x2.i = 20;
        System.out.println(x1.i);
        System.out.println(x2.i);
        test(x1, x2);
        System.out.println(x1.i);
        System.out.println(x2.i);
    }
}
56. Write the o/p?
   class F
    int i;
    F(int k)
    \{
        i = 10;
        System.out.println("F()");
    public static void main(String[]args)
    {
        F f1 = new F();
```

```
System.out.println(f1.i);
   }
  }
57. Write the o/p?
   class K
  {
   K()
   {
       System.out.println("K()");
   }
   {
       System.out.println("IIB1");
   K(int i)
   {
       this();
       System.out.println("K(int)");
   static
   {
       System.out.println("SIB1");
   K(int i, int j)
   {
       this(j);
       System.out.println("K(int,int)");
   }
```

```
}
   {
       System.out.println("IIB2");
   public static void main(String[] args)
   {
       K k1 = new K();
       System.out.println("----");
       K k2 = new K(100);
       System.out.println("----");
       K k3 = new K(100, 200);
       System.out.println("----");
   }
58. Write the o/p?
   class F
   static int count;
   F()
   {
       count++;
   F(int i)
```

```
count++;
}
F(int i, int j)
{
    count++;
}
{
    count++;
}
public static void main(String[] args)
{
    F e1 = new F();
    F e2 = new F(10);
    F = 3 = \text{new } F(10, 20);
    F = 4 = new F(20);
    F = 65 = new F();
    System.out.println(count);
}
```

- 59. Private member of one class can be used in another class?
- 60. Write the order of access level from narrower to wider?
- 61. Write the order of access level from wider to narrower?

```
62. Write the output?
class C
{
public static void main(String[]args)
{
   short i = 20;
   double d = i;
   System.out.println("done");
   }
}
63. Write the output?
class Manager30
{
   public static void main(String[] args)
   {
       A a1 = new C();
       if(a1 instanceof A)
       {
           System.out.println("to A");
           A a2 = (A)a1;
           if(a1 instanceof B)
           {
               System.out.println("to B");
               B b2 = (B)a1;
           if(a1 instanceof C)
```

```
FSD Training
                                     Max Duration: 2hr
                        Test 1
                System.out.println("to C");
                C c2 = (C)a1;
            }
            if(a1 instanceof D)
            {
                System.out.println("to D");
                D d2 = (D)a1;
            }
        }
    }
}
64. Write the Answer
public class M18
{
    public static void main(String [] args)
    \{
        String s1 = "abc";
        String s2 = "true";
        String s3 = "TRUE";
        boolean b1 = Boolean.parseBoolean(s1);
        boolean b2 = Boolean.parseBoolean(s2);
        boolean b3 = Boolean.parseBoolean(s3);
        System.out.println(b1);
        System.out.println(b2);
        System.out.println(b3);
    }
}
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```

```
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```

65. Assume

```
We are compiling in JDK 1.4
What is the result?
public class M31
{
    static void test(Character obj)
    {
        System.out.println("done");
    }
    public static void main(String [] args)
    {
        test('a');
        char c1 = 't';
        test(c1);
        Character c2 = 'p';
        test(c2);
    }
 }
```

66. Write the order of preference in wrapper classes?