

## 1. 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);
        System.out.println(j);
    }
}
```

## 2. Write the output?

```
class P
{
    static int i;
    public static void main(String[] args)
    {
        System.out.println(i);
        int i = 10;
        System.out.println(i);
        System.out.println(P.i);
        i = 20;
        System.out.println(i);
        System.out.println(P.i);
    }
}
```

### 3. 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);
        System.out.println(n);
    }
}
```

### 4. 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);
    }
}
```

5. 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);
        System.out.println(j);
    }
}
```

6. Write the output?

```
class Z4
{
    static int i = test1();
    static int test1()
    {
        System.out.println("from test1");
        return 10;
    }
    public static void main(String[] args)
    {
        System.out.println(i);
        System.out.println(test1());
    }
}
```

7. Write the output?

```
class N
{
    static int i=10;
    static
    {
        System.out.println("N-SIB");
    }
}
class O
{
    static
    {
        System.out.println("O-SIB");
    }
    public static void main(String[]args)
    {
        System.out.println("O-main-b");
        System.out.println(N.i);
        System.out.println(N.i);
        System.out.println(N.i);
        System.out.println("O-main-e");
    }
}
```

8. 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");  
U.main(args);  
System.out.println("-----");  
U.main(null);  
System.out.println("V-main-end");  
}  
}
```

9. Write the output?

```
class D  
{  
static int i;  
static  
{  
i=10;  
}  
public static void main(String[] args)  
{  
System.out.println(i);  
}  
}
```

10. Write the output?

```
class F
{
    static
    {
        i=1;
    }
    static int i=2;
    public static void main(String[]args)
    {
        System.out.println(i);
    }
}
```

11. 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");  
}  
}
```

12. 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);  
    }  
}
```

13. 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");
    }
}
```

14. 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();  
        System.out.println("-----");  
    }  
    static  
    {  
        System.out.println("Q-SIB");  
    }  
}
```

15. 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");  
    }  
}
```

```
}
```

```
}
```

16. Write the output?

```
class L
```

```
{  
    public static void main(String[] args)  
    {  
        System.out.println("from main");  
        return 100;  
    }  
}
```

17. Write the output?

```
class M
```

```
{  
    public static void main(String[] args)  
    {  
        System.out.println("main begin");  
        return;  
        System.out.println("main end");  
    }  
}
```

18. 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");
    }
}
```

19. 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");
    }
}
```

}

20. Write the output?

```
class R
{
    static int i = test();
    static
    {
        System.out.println("SIB:" + i);
        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);
    }
}
```

}

}