

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);
    }
}
```

7. Write the output for the following program?

```
class C
{
    public static void main(String[] args)
```

```
{  
    int i = 0;  
    int j = i++;  
    System.out.println(i);  
    System.out.println(j);  
}  
}
```

8. Write the output for the following program?

```
class L  
{  
    public static void main(String[] args)  
    {  
        int i = 0;  
        int j = i++ + i + i-- + i +  
        i-- + i++ + i-- + i +  
        i++ + i-- + i + 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");
        }
        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);
    }
}
```

14. What is the output?

```
class X
{
    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);
    }
}
```

15. What is the output?

```
class B
{
    public static void main(String[] args)
    {
        if(false)
            System.out.println(1);
            System.out.println(2);
            System.out.println(3);
    }
}
```

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");
    }
}
```

21. What is the output?

```
class O
{
    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)
    {
        if(false)
        {
            System.out.println("from if");
        }
        else if(false)
        {
            System.out.println("from else
if");
        }
        else
        {
            System.out.println("from last
else");
        }
        else if(false)
        {
```

```
        System.out.println("from else if  
2");  
    }
```

```
    }  
}
```

23. What is the output?

```
class S  
{  
    public static void main(String[] args)  
    {  
        if(false)  
        {  
            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);  
        }  
        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);
        }
        System.out.println(i + "," + j);
    }
}
```

27. What is the output?

```
class O
{
    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);  
    }  
}
```