

Find output or error (Looping)

Question 01.

What will be the output for the following program?

```
public class Test
{
    public static void main(String[] args)
    {
        int i = 0;
        for ( String s="a"; s.compareTo("aaa") !=0 ; s =s + "a" )
            System.out.print(s);
    }
}
```

Output:

aaa

Question 02.

What will be the output for the following program?

```
public class Test
{
    public static void main(String[] args)
    {
        for (int i = 0; i < 1; System.out.println("HI"))
            System.out.print("HELLO");
    }
}
```

Output:

HELLOHI
HELLOHI
HELLOHI

.
.
.

Infinite times

Question 03.

What will be the output for the following program?

```
public class Test
{
    public static void main(String[] args)
    {
        int j=0;
        for (int i = 0; i < 1; j++)
            System.out.println("HELLO");
    }
}
```

Output:

HELLO

HELLO

HELLO

.

.

.

Infinite times

Question 04.

What will be the output for the following program?

```
public class Test
{
    public static void main(String[] args)
    {
        for ( int i = 0; true & ++i<2; i++)
            System.out.print(i);
    }
}
```

Output:

1

Question 05.

What will be the output for the following program?

```
public class Test
{
    public static void main(String[] args)
    {
        boolean b=false;
        for ( int i = 0; b | ++i<2; i++)
        {
            System.out.print(i);
            b=!b;
        }
    }
}
```

Output:

13

Question 06.

What will be the output for the following program?

```
public class Test
{
    public static void main (String [] args)
    {
        for (int i = 0, double x=3.0 ; i < 2 ; i++)
            System.out.println("HELLO ");
    }
}
```

Output:

error: expected

for (int i = 0, double x=3.0 ; i < 2 ;

Question 07.

What will be the output for the following program?

```
public class demo
{
    public static void main(String[] args)
    {
        int i=0;
        for(;;)
        {
            if(i>5)
                break;
            else
                i=i+2;
            System.out.println(i);
        }
    }
}
```

Output:

2
4
6

Question 08.

What will be the output for the following program?

```
public class Demo
{
    public static void main(String[] args)
    {
        int a,b;
        for(a=6,b=4;a<=24;a=a+6)
        {
            if(a % b==0)
                break;
            System.out.println(a);
        }
    }
}
```

```
    }  
}
```

Output:

6

Question 09.

```
public class Demo  
{  
    public static void main(String s[])  
    {  
        int a, b;  
        for(a = 1, b = 4; a < b; a++, b--)  
        {  
            System.out.println("a = " + a);  
            System.out.println("b = " + b);  
        }  
    }  
}
```

Output:

a = 1

b = 4

a = 2

b = 3

Question 10.

```
public class Test1  
{  
    public static void main(String[] args)  
    {  
        int i=0;  
        for(i=100; i<=0; i=i-10)  
        {  
            System.out.print(i+",");  
        }  
    }  
}
```

```
}
```

Output:

nothing.....because "i<=0" condition false

Question 11.

```
public class Test
{
    public static void main(String[] args)
    {
        int i = 0;
        for (System.out.println("HI") ; i < 1 ; i++)
            System.out.println("HELLO GEEKS");
    }
}
```

Output:

HI
HELLO GEEKS

Question 12.

```
public class Test
{
    public static void main(String[] args)
    {
        for(int i = 0; i<5; i++)
        {
            System.out.println("Hello");
            break;
        }
    }
}
```

Output:

Hello

Question 13.

```
public class Test
{
    public static void main(String[] args)
    {
        String s = "friends";
        int x = 0;
        do
        {
            System.out.print(s.charAt(x));
            x++;
        } while (x < 2);
    }
}
```

Output:

fr

Question 14.

```
public class Test
{
    public static void main(String[] args)
    {
        while(true)
        {
            System.out.println("cppbuzz");
        }
    }
}
```

Output:

cppbuzz
cppbuzz
cppbuzz

·
·

....infinite time.

Question 15.

```
public class Test
{
    public static void main(String[] args)
    {
        int i;
        for ( i = 5 ; i > 10; i ++ )
            System.out.println(i);
            System.out.println( i * 4 );
    }
}
```

Output:

20

Question 16.

```
public class Test
{
    public static void main(String[] args)
    {
        for(int i = 0; i < 3; i++)
        {
            for(int j = 0; j < i; j++)
            {
                System.out.print(i + " " + j+ ",");
            }
        }
    }
}
```

Output:

1 0,2 0,2 1,

Question 17.

```
public class Test
{
    public static void main(String[] args)
    {
        int i, s = 0;
        for (int k = 0; k < 5; k++)
        {
            i = 0;
            do
            {
                i++; s++;
            }while (i < k);
            System.out.println(s);
        }
    }
}
```

Output:

11

Question 18.

```
public class Application
{
    public static void main(String[] args)
    {
        String one = "Hello";
        String two = "Hello";
        if(one == two)
        {
            System.out.println("one == two");
        }
        else
        {
            System.out.println("one != two");
        }
    }
}
```

```
    }  
}
```

Output:

one == two

Question 19.

```
public class TestWhile  
{  
    public static void main(String[] args)  
    {  
        int i = 1;  
        int j = 20;  
        int k = 31;  
        while (i < j)  
        {  
            k += (i * j);  
            i = i * 2;  
            j--;  
        }  
        System.out.println("i = " + i + " j = " + j + " k = " + k);  
    }  
}
```

Output:

i = 16 j = 16 k = 297

Question 20.

```
public class WhileExample  
{  
    public static void main(String s[])  
    {  
        int n = 5;  
        while( n > 0 )  
        {  
            n--;  
        }  
    }  
}
```

```
        System.out.println("n = " +n);
    }
}
}
```

Output:

```
n = 4
n = 3
n = 2
n = 1
n = 0
```

Question 21.

```
public class C1
{
    public static void main(String[] args)
    {
        for(int i = 0; i<5; i++)
        {
            System.out.println("ITER");
            i++;
        }
    }
}
```

Output:

```
ITER
ITER
ITER
```

Question 22.

```
public class C2
{
    public static void main(String[] args)
    {
        for(int i = 0; i<5; )
        {
```

```

        System.out.println("Hello");
    }
}

```

Output:

Hello
Hello
Hello

.
. .
.

...infinite times

Question 23.

```

public class C3
{
    public static void main (String args[])
    {
        for(int i=0; 0; i++)
        {
            System.out.println("ICP");
        }
    }
}

```

Output:

error: Type mismatch: cannot convert from int to boolean

Question 24.

```

public class Test
{
    public static void main(String[] args)
    {
        int i;
        for (int i = 0; i < 3; i++);
    }
}

```

```
        System.out.println(i)
    }
}
```

Output:

error: Duplicate local variable i

Question 25.

```
public class C5
{
    public static void main(String[] args)
    {
        while(true)
        {
            System.out.println("ITER");
            break;
        }
    }
}
```

Output:

ITER

Question 26.

```
public class Output1
{
    public static void main(String[] args)
    {
        for (int i = 0; i < 10; i++)
            int x = 10;
            System.out.println("x");
    }
}
```

Output:

error: insert ";" to complete Statement, x cannot be resolved to a variable

Question 27.

```
public class Output2
{
    public static void main(String[] args)
    {
        int i = 0;
        for (System.out.println("ITER"); i < 1; i++)
            System.out.println("SOA");
    }
}
```

Output:

ITER
SOA

Question 28.

```
public class Output3
{
    public static void main(String[] args)
    {
        for (int i = 0 ; ; i++)
            System.out.println("ICP");
    }
}
```

Output:

ICP
ICP
ICP
.
.
.
... infinite times

Question 29.

```
public class Output4
{
    public static void main(String[] args)
    {
        for (int i = 0 ; i < 1 ; System.out.print("ITER ") )
            System.out.println("SOA");
    }
}
```

Output:

ICP

ICP

ICP

.

.

.

... infinite times

Question 30.

```
public class Output5
{
    public static void main(String[] args)
    {
        int i = 1, j = 1;
        for ( ; ; )
        {
            if (i > 5)
                break;
            else
                j += i ;
            System.out.println(j);
            i += j;
        }
    }
}
```

Output:

2
5

Question 31.

```
public class Output5
{
    public static void main(String[] args)
    {
        int i = 0;
        while(true)
        {
            System.out.println(++i);
            break;
        }
    }
}
```

Output:

1

Question 32.

```
public class Output5
{
    public static void main(String[] args)
    {
        int i = 3, j=5;do
        {
            System.out.print(i*j);
        }
        while(++i < --j);
    }
}
```



```
    }  
}
```

Output:

15

Question 33.

```
public class Output5  
{  
    public static void main(String[] args)  
    {  
        char a = 'a';  
        while(++a<=100)  
        {  
            System.out.print(a);  
        }  
    }  
}
```

Output:

bcd

Question 34.

```
public class Output5  
{  
    public static void main(String[] args)  
    {  
        for(int i=0; false; i++)  
            System.out.println("Hello");  
    }  
}
```

Output:

error: unreachable statement at System.out.println()

Question 35.

Find output of the following pseudocode?

Step 1: Initialize count to 1;

Step 2: While count is less than 10

Step 2.1: Print count;

Step 2.2: count = count + 3;

Step 3: Stop.

Output:

1
4
7

Question 36.

```
public class Alpha
{
    public static void main(String [] args)
    {
        int cnt=0;
        while(true)
        {
            if(cnt > 4)
                break;
            if(cnt==0)
            {
                cnt++;
                continue;
            }
            System.out.print(cnt + ",");
            cnt++;
        }
    }
}
```

Output:

1,2,3,4,

Question 37.

```
public class Alpha
{
    public static void main(String [] args)
    {
        while(i<3)
        {
            do
            {
                System.out.print(j + ",");
                j++;
            }while(j<4);
            i++;
        }
    }
}
```

Output:

Error: variable i undefined

Question 38.

```
public class Test {
    public static void main(String[] args)
    {
        int i = 0;
        for (System.out.println("HI"); i < 1; i++)
            System.out.println("HELLO ITER");
    }
}
```

Output:

HI
ITER

Question 39.

```
public class Alpha
```



```

public class Test
{
    public static void main(String[] args)
    {
        do
        {
            while (true)
                System.out.println("HELLO");
        }while (false);
    }
}

```

Output:

HELLO
HELLO
HELLO

.
.
 .

...infinite times

Question 42.

```

public class Test
{
    public static void main(String[] args)
    {
        do
            System.out.println("FRIENDS");
        while (true);
        System.out.println("ENEMY");
    }
}

```

Output:

error: unreachable statement

Question 43.

```
public class Test
{
    public static void main(String[] args)
    {
        int x = 1, y = 2;
        do
        {
            System.out.println("FRIENDS");
        } while (x < y);
        System.out.println("ENEMY");
    }
}
```

Output:

FRIENDS
FRIENDS
FRIENDS

..
..
..

...infinite times

Question 44.

```
public class Test
{
    public static void main(String args[])
    {
        for(int i=1; i<=10; i++);
        System.out.print(i);
    }
}
```

Output:

error: cannot find symbol i at System.out.print(i);

Question 45.

```
public class Test
{
    public static void main(String[] args)
    {
        for(int i = 0; 1; i++)
        {
            System.out.println("Hello");
            break;
        }
    }
}
```

Output:

error: incompatible types: int cannot be converted to boolean

Question 46.

```
public class Test
{
    public static void main(String[] args)
    {
        do
        {
            System.out.print(1);
            do
            {
                System.out.print(2);
            } while (false);
        } while (false);
    }
}
```

Output:

12

Question 47.

```

public class Testing
{
    public static void main(String[] args)
    {
        loop1:
        for (int i = 0; i < 5; i++)
        {
            for (int j = 0; j < 5; j++)
            {
                if (i == 3)
                    break loop1;
                System.out.println("i = " + i + " j = " + j);
            }
        }
    }
}

```

Output:

```

i = 0 j = 0
i = 0 j = 1
i = 0 j = 2
i = 0 j = 3
i = 0 j = 4
i = 1 j = 0
i = 1 j = 1
i = 1 j = 2
i = 1 j = 3
i = 1 j = 4
i = 2 j = 0
i = 2 j = 1
i = 2 j = 2
i = 2 j = 3
i = 2 j = 4

```

Question 48.

```

public class Testing
{

```



```

    public static void main(String[] args)
    {
        int x = 3, k;
        while (x-- >= 0)
        {
            System.out.println(x);
        }
    }
}

```

Output:

2
1
0
-1

Question 49.

```

public class Testing
{
    public static void main(String[] args)
    {
        int x = -10;
        while (x++ != 0);
        System.out.println(x);
    }
}

```

Output:

1

Question 50.

```

public class Demo
{
    public static void main (String []args)
    {
        int n = 6, i=0;
        for (i=0; Math.pow(2,i)<=n; i++);
    }
}

```

```

        System.out.println(i);
    }
}

```

Output:

3

Question 51.

```

public class Demo
{
    public static void main (String []args)
    {
        int n = 6, i=0;
        while (Math.pow(2,i)<=n);
        System.out.println(i);
    }
}

```

Output:

Nothing is printed.....infinite loop

Question 52.

```

public class Demo
{
    public static void main (String []args)
    {
        int n = 6,i,j;
        for (i=0,j=0; i<n; i++,j++)
            System.out.println(i+" "+j);
    }
}

```

Output:

0 0

1 1

2 2

3 3
4 4
5 5

Question 53.

```
public class Demo
{
    public static void main (String []args)
    {
        do
        {
            System.out.println(i);
        } while (i <= 5 );
    }
}
```

Output:

error: illegal start of expression, undefined i

Question 54.

```
public class Test
{
    public static void main(String[] args)
    {
        do
        {
            while (true)
                System.out.println("HELLO");
        }while (false);
    }
}
```

Output:

HELLO
HELLO

HELLO

.
.
.

... infinite times

Question 55.

```
public class Test
{
    public static void main(String[] args)
    {
        do
        {
            System.out.print(1);
            do
            {
                System.out.print(2);
            } while (false);
        } while (false);
    }
}
```

Output:

12

Question 56.

```
public class Test
{
    public static void main(String[] args)
    {
        int x = 30, y = 50;
        if (x < y)
            int a = 40;
        else
        {
            System.out.println("BYE");
        }
    }
}
```

```

    }
}

```

Output:

error: variable declaration not allowed here, int a=40

Question 57.

```

public class Test
{
    public static void main(String[] args)
    {
        for(i=0;i<10;i++)
        {
            for (j=-5;j<10;j++)
            {
                if(i==j )
                break;
                System.out.println("Hello");
            }
        }
    }
}

```

Output:

error: cannot find symbol i and j

Question 58.

```

public class Test
{
    public static void main(String[] args)
    {
        int i=2;
        for( ; ; )
        {
            System.out.println("Hi");
        }
    }
}

```

```
    }  
    }  
}
```

Output:

Hi
Hi
Hi
.
.
.
...infinite times

Question 59.

```
public class Test  
{  
    public static void main(String[] args)  
    {  
        for(int i = 0; i<5; i++)  
        {  
            System.out.println("Hello");  
            i++;  
            i--;  
        }  
    }  
}
```

Output:

Hello
Hello
Hello
Hello
Hello

Question 60.

```
public class Test  
{
```

```

    public static void main(String[] args)
    {
        for(int i = 0; i<5; i=5 )
        {
            System.out.println("Hello");
        }
    }
}

```

Output:

Hello

Question 61.

```

public class Test
{
    public static void main(String[] args)
    {
        String s = "School";
        int x = 0;
        do
        {
            System.out.print(s.charAt(x));
            x++ ;
        } while (x < 2)
    }
}

```

Output:

error: ';' expected at while(x < 2)

Question 62.

```

public class Alpha
{
    public static void main(String [] args)
    {
        int i=0;
    }
}

```

```

        for(i=1; i<=6;i++)
        {
            if(i%3==0)
                continue;
            System.out.print(i+",");
        }
    }
}

```

OutPut:

1, 2, 4, 5,

Question 62.

```

public class Alpha
{
    public static void main(String [] args)
    {
        int i=0;
        for(i=1; i<=6;i++)
        {
            if(i%3==0)
                continue;
            System.out.print(i+",");
        }
    }
}

```

OutPut:

1, 2, 4, 5,

Question 63.

Find the output of the code

```

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

```



```
{  
    int n = 6;  
    do  
    {  
        System.out.println(Math.abs (-n));  
    } while (n != 0);  
}
```

OutPut:

6

6

6

.

.

. infinite time