



Java Looping – MCQ's

Question 1

What makes a loop a counting loop?

- A. A loop control variable is tested in the *while* statement, and is changed each time the loop body executes,
- B. A counter is counted upwards by one until it hits a particular limit.
- C. A counter is counted downwards by one until it hits zero.
- D. No loop control variables are used.

Question 1

What makes a loop a counting loop?

- A. A loop control variable is tested in the *while* statement, and is changed each time the loop body executes,**
- B. A counter is counted upwards by one until it hits a particular limit.
- C. A counter is counted downwards by one until it hits zero.
- D. No loop control variables are used.

Question 2

Another word for "looping" is:

- A. recapitulation
- B. tintinabulation
- C. iteration
- D. reiteration

Question 2

Another word for "looping" is:

- A. recapitulation
- B. tintinabulation
- C. **iteration**
- D. reiteration

Question 3

A colony of rabbits doubles its population every 28 days. The population starts out at 2 and increases until it reaches 100,000. Say that a section of code simulated this process. Which of the following *while* statements is most likely to be used?

- A. `while (population = 10000)`
- B. `while (population < 100000)`
- C. `while (population != 100000)`
- D. `while (population < 1.0E+6)`

Question 3

A colony of rabbits doubles its population every 28 days. The population starts out at 2 and increases until it reaches 100,000. Say that a section of code simulated this process. Which of the following *while* statements is most likely to be used?

- A. `while (population = 10000)`
- B. **`while (population < 100000)`**
- C. `while (population != 100000)`
- D. `while (population < 1.0E+6)`

Question 4

Here is part of a graphics program that simulates a color fading in the sun. The amount of red starts at the maximum of 1.0 and is faded by decreasing it by 1% each time the loop executes, until it is close to zero.

```
float redLevel = 1.0;
while ( _____ )
{
    redLevel = redLevel*0.99 ;
    // the new redLevel is used here in some graphics methods
}
```

Question 4

Pick a condition for the *while* statement.

- A. `redLevel == 0.0`
- B. `redLevel > 0.001`
- C. `Math.abs(redLevel) < 0.0`
- D. `redLevel*redLevel < 1.0`

Question 4

Pick a condition for the *while* statement.

- A. `redLevel == 0.0`
- B. **`redLevel > 0.001`**
- C. `Math.abs(redLevel) < 0.0`
- D. `redLevel*redLevel < 1.0`

What is an infinite loop?

- A. A loop that functions infinitely well
- B. A loop that runs forever
- C. A loop that never starts
- D. A loop that will never function

What is an infinite loop?

- A. A loop that functions infinitely well
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- C. A loop that never starts
- D. A loop that will never function

Question 6

What is the value of k after the following code fragment?

```
int k = 0;
int n = 12
while (k < n)
{
k = k + 1;
}
```

A 0
)

B) 11

C) 12

D) 13

Question 6

What is the value of k after the following code fragment?

```
int k = 0;
int n = 12
while (k < n)
{
k = k + 1;
}
```

A 0
)

B) 11

C) 12

D) 13

Question 7

```
1 // Predict the output
2 class Test {
3     public static void main(String[] args)
4     {
5         int j = 0;
6         do
7             for (int i = 0; i++ < 1 ; )
8                 System.out.println(i);
9         while (j++ < 2);
10    }
11 }
```

A. 111

B. 222

C. 333

D. error

Question 7

```
1 // Predict the output
2 class Test {
3     public static void main(String[] args)
4     {
5         int j = 0;
6         do
7             for (int i = 0; i++ < 1 ; )
8                 System.out.println(i);
9         while (j++ < 2);
10    }
11 }
```

A. 111

B. 222

C. 333

D. error

Question 8

```
1 // Predict the output
2 class Test {
3     static String s = "";
4     public static void main(String[] args)
5     {
6         P:
7         for (int i = 2; i < 7; i++) {
8             if (i == 3)
9                 continue;
10            if (i == 5)
11                break P;
12            s = s + i;
13        }
14        System.out.println(s);
15    }
16 }
```

Options Are:

A. 32

B. 23

C. 24

D. 42

Options Are:

A. 32

B. 23

C. 24

D. 42

Question 9

What three parts of a counting loop must be coordinated in order for the loop to work properly?

- A. initializing the counter, testing the counter, changing the counter
- B. initializing the condition, changing the condition, terminating the loop
- C. the *while*, the *assignment*, and the *loop body*
- D. the *while* statement, the *if* statement, and sequential execution.

Question 9

What three parts of a counting loop must be coordinated in order for the loop to work properly?

- A. **initializing the counter, testing the counter, changing the counter**
- B. initializing the condition, changing the condition, terminating the loop
- C. the *while*, the *assignment*, and the *loop body*
- D. the *while* statement, the *if* statement, and sequential execution.

Question 10

The loop is especially useful when you process a menu selection.

- A) while
- B) do-while
- C) for
- D) switch

Question 10

The loop is especially useful when you process a menu selection.

- A) while
- B) do-while**
- C) for
- D) switch

Question 11

By using, you can force immediate termination of loop, bypassing the conditional expression and any remaining code in the body of the loop.

- A) switch
- B) break
- C) continue
- D) default

Question 11

By using, you can force immediate termination of loop, bypassing the conditional expression and any remaining code in the body of the loop.

- A) switch
- B) break**
- C) continue
- D) default

Is the do statement a necessary feature in Java?

- a. No--everything it does could be done with a while.
- b. No--but it would be extremely difficult without it.
- c. Yes--some loops can only be implemented with a do.
- d. Yes--without it one of the major control structures would be lost.

Is the do statement a necessary feature in Java?

- a. **No--everything it does could be done with a while.**
- b. No--but it would be extremely difficult without it.
- c. Yes--some loops can only be implemented with a do.
- d. Yes--without it one of the major control structures would be lost.

Question 13

What is the output of this program?

```
1.class comma_operator {  
2.public static void main(String args[])  
3.{  
4.int sum = 0;  
5.for (int i = 0, j = 0; i < 5 & j < 5; ++i, j = i + 1)  
6.sum += i;  
7.System.out.println(sum);  
8.}  
9.}
```

- a) 5 b) 6 c) 14 d) compilation error

Question 13

What is the output of this program?

```
1.class comma_operator {  
2.public static void main(String args[])  
3.{  
4.int sum = 0;  
5.for (int i = 0, j = 0; i < 5 & j < 5; ++i, j = i + 1)  
6.sum += i;  
7.System.out.println(sum);  
8.}  
9.}
```

a) 5

b) 6

c) 14

d) compilation error

Question 14

Fill the blank so that the following fragment prints out 0.2, 0.4, 0.6, 0.8, 1.0,

```
for ( int j = 2; j <= 10; j++ )  
System.out.print( _____ + ", " );  
System.out.println( );
```

a. $j/10$

b. $j\%10$

c. $(j+1.0)/10$

d. $j/10.0$

Question 14

Fill the blank so that the following fragment prints out 0.2, 0.4, 0.6, 0.8, 1.0,

```
for ( int j = 2; j <= 10; j=j+2 )  
System.out.print( _____ + ", " );  
System.out.println( );
```

a. $j/10$

b. $j\%10$

c. $(j+1.0)/10$

d. **$j/10.0$**

Question 15

Predict the output

```
// Predict the output
class Test {
public static void main(String[] args)
{
    for (int i = 0; i < 10; i++)
        int x = 10;
}
}
```

- a. No Output
- b. Compile time error
- c. Runtime error
- d. Runtime Exception

Question 15

Predict the output

```
// Predict the output
class Test {
public static void main(String[] args)
{
    for (int i = 0; i < 10; i++)
        int x = 10;
}
}
```

- a. No Output
- b. Compile time error
- c. Runtime error
- d. Runtime Exception

Question 16

Predict the output

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

- a. HI HELLO
- c. Compile time error

- b. No Output
- d. HELLO

Question 16

Predict the output

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

a. HI HELLO

c. Compile time error

b. No Output

d. HELLO

Question 17

Predict the output

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

- a. HELLO (infinitely)
- c. Compile time error

- b. No Output
- d. HELLO

Question 17

Predict the output

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

- a. **HELLO (infinitely)**
- c. Compile time error

- b. No Output
- d. HELLO

Question 18

Predict the output

```
1.class Output {  
2.public static void main(String args[])  
3.{  
4.final int a=10,b=20;  
5.while (a<b)  
6.{  
7. System.out.println("Hello");  
9.}  
10.System.out.println("World");  
11.}  
13.}
```

a. Hello
c. World

b. Hello world
d. compile time error

Question 18

Predict the output

```
1.class Output {  
2.public static void main(String args[])  
3.{  
4.final int a=10,b=20;  
5.while (a<b)  
6.{  
7. System.out.println("Hello");  
9.}  
10.System.out.println("World");  
11.} }
```

a. Hello
c. World

b. Hello world
d. **compile time error**

Question 19

Predict the output

```
class Output {  
public static void main(String args[])  
{  
    int j=50;  
    while(true)  
    {  
        if(j<10)  
            break;  
        j=j-10;  
    }  
    system.out.println("j is "+j);  
}  
}
```

a. j is 0

b. j is 10

c. J is 50

d. Error

Question 19

Predict the output

```
class Output {  
public static void main(String args[])  
{  
    int j=50;  
    while(true)  
    {  
        if(j<10)  
            break;  
        j=j-10;  
    }  
    System.out.println("j is "+j);  
}  
}
```

a. **j is 0**

c. J is 50

b. j is 10

d. Error

Question 20

Predict the value of x and y

```
class Output {  
public static void main(String args[])  
{  
int x , y = 0;  
for(x=1;x<=5;++x) y = x++;  
--y ;  
}  
}
```

a. 7 4

b. 6 4

c. 7 5

d. 6 5

Question 20

Predict the value of x and y

```
class Output {  
public static void main(String args[])  
{  
int x , y = 0;  
for(x=1;x<=5;++x) y = x++;  
--y ;  
}  
}
```

a. **7** **4**

c. 7 5

b. 6 4

d. 6 5

Question 20

Predict the output

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

        System.out.println("i after the loop = " + i );
    }
}
```

Question 20

a. $i = 0$
 $i = 1$
 $i = 2$
 $i = 3$
 $i = 4$
 $i = 5$
 i after the loop = 6

b. $i = 0$
 $i = 1$
 $i = 2$
 $i = 3$
 $i = 4$
 $i = 5$
 $i = 6$
 i after the loop = 6

c. Compilation Error

d. $i = 0$
 $i = 1$
 $i = 2$
 $i = 3$
 $i = 4$
 $i = 5$
 i after the loop = 5

Question 20

a. $i = 0$
 $i = 1$
 $i = 2$
 $i = 3$
 $i = 4$
 $i = 5$
 i after the loop = 6

c. **Compilation Error**

b. $i = 0$
 $i = 1$
 $i = 2$
 $i = 3$
 $i = 4$
 $i = 5$
 $i = 6$
 i after the loop = 6

d. $i = 0$
 $i = 1$
 $i = 2$
 $i = 3$
 $i = 4$
 $i = 5$
 i after the loop = 5

Question 21

Predict the output

```
public class LoopExample
{
    public static void main(String[] args)
    {
        for (char i = 0, j = 6; i < 5 && j > 0; i++, --j)
        {
            System.out.print((int) i + " " + (int) j + ", ");
        }
    }
}
```

- a. 0 5, 1 4, 2 3, 3 2, 4 1,
- c. No output

- b. 0 6, 1 5, 2 4, 3 3, 4 2,
- d. Error

Question 21

Predict the output

```
public class LoopExample
{
    public static void main(String[] args)
    {
        for (char i = 0, j = 6; i < 5 && j > 0; i++, --j)
        {
            System.out.print((int) i + " " + (int) j + ", ");
        }
    }
}
```

- a. 0 5, 1 4, 2 3, 3 2, 4 1,
- c. No output

- b. 0 6, 1 5, 2 4, 3 3, 4 2,
- d. Error

Question 22

What will be the output of the following program? Assume that the argument passed as - "Is the program Execute or Not".

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

Question 22

a. args[0]: Is
args[1]: the
args[2]: program
args[3]: Execute
args[4]: or
args[5]: Not

b. args[0]: Is
args[1]: the
args[2]: program

c. args[0]: Is the program
Execute or Not

d. Some other output

Question 22

a. args[0]: Is
args[1]: the
args[2]: program
args[3]: Execute
args[4]: or
args[5]: Not

b. args[0]: Is
args[1]: the
args[2]: program

c. **args[0]: Is the program
Execute or Not**

d. Some other output

Question 23

Predict the output

```
public class LoopExample
{
    public static void main(String[] args)
    {
        for ( int j = 5; j > -5; j-- )
            System.out.print( j + " " );
        System.out.println( );
    }
}
```

a. 5 4 3 2 1 0 -1 -2 -3 -4

c. 5 4 3 2 1 0 -1 -2 -3 -4 -5

b. 5 4 3 2 1 0 -1 -2 -3

d. Infinite numbers starts from 5

Question 23

Predict the output

```
public class LoopExample
{
    public static void main(String[] args)
    {
        for ( int j = 5; j > -5; j-- )
            System.out.print( j + " " );
        System.out.println( );
    }
}
```

a. 5 4 3 2 1 0 -1 -2 -3 -4

c. 5 4 3 2 1 0 -1 -2 -3 -4 -5

b. 5 4 3 2 1 0 -1 -2 -3

d. Infinite numbers starts from 5

Question 24

What must the test be so that the following fragment prints out the integers -5 through and including 5?

```
for ( int j = -5; _____ ; j++ )  
{ System.out.print( j + " " ); }  
System.out.println( );
```

a. $j < 5$

b. $j \leq 5$

c. $j > 5$

d. $j == 5$

Question 24

What must the test be so that the following fragment prints out the integers -5 through and including 5?

```
for ( int j = -5; _____ ; j++ )  
{ System.out.print( j + " " ); }  
System.out.println( );
```

a. $j < 5$

b. $j \leq 5$

c. $j > 5$

d. $j == 5$

Question 25

What will happen when you compile and run the following code?

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

a. Code will not compile

b. 01234

c. 135

d. 024

Question 25

What will happen when you compile and run the following code?

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

a. Code will not compile

b. 01234

c. 135

d. 024



Question 26

Will this code compile?

```
public class Test{  
    public static void main(String[] args)  
    { for(;;){} }  
}
```

a. Yes

b. No

Question 26

Will this code compile?

```
public class Test{  
    public static void main(String[] args)  
    { for(;;){} }  
}
```

a. Yes

b. No

Question 27

What will happen when you compile and run the following code?

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

a. Compilation Error

b. 10 9 8 7 6 5 4 3 2 1

c. 10 9 8 7 6 5 4 3 2 1 0

d. None of the above

FACE

Question 27

What will happen when you compile and run the following code?

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

a. Compilation Error

b. 10 9 8 7 6 5 4 3 2 1 c. 10 9 8 7 6 5 4 3 2 1 0

d. None of the above



Question 28

What will happen when you compile and run the following code?

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

a. 0 1 2 3

b. 0 0 1 1 2 2

c. 0 1 2 2

d. None of the
above



Question 28

What will happen when you compile and run the following code?

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

a. 0 1 2 3

b. 0 0 1 1 2 2

c. 0 1 2 2

d. None of the
above



Question 29

What will happen when you compile and run the following code?

```
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 + ", "); } } } }
```

a. 0 0, 0 1, 0 2, 1 0, 1 1, 1 2, 2 0, 2 1, 2 2,
b. 0 0, 0 1, 0 2, 0 3, 1 0, 1 1, 1 2, 1 3, 2 0, 2 1, 2 2, 2 3,

c. 1 0, 2 0, 2 1
d. None of the above



Question 29

What will happen when you compile and run the following code?

```
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 + ", "); } } } }
```

a. 0 0, 0 1, 0 2, 1 0, 1 1, 1 2, 2 0, 2 1, 2 2,
b. 0 0, 0 1, 0 2, 0 3, 1 0, 1 1, 1 2, 1 3, 2 0, 2 1, 2 2, 2 3,

c. 1 0, 2 0, 2 1
d. None of the above



Question 30

- Analyze the following code.

```
int count = 0;
while (count < 100) {
    // Point A
    System.out.println("Welcome to Java!");
    count++;
    // Point B
}
// Point C
```

- a. $\text{count} < 100$ is always true at Point B
- b. $\text{count} < 100$ is always false at Point B
- c. $\text{count} < 100$ is always true at Point A and $\text{count} < 100$ is always false at Point C
- d. $\text{count} < 100$ is always true at Point C

Question 30

- Analyze the following code.

```
int count = 0;
while (count < 100) {
    // Point A
    System.out.println("Welcome to Java!");
    count++;
    // Point B
}
// Point C
```

- a. $\text{count} < 100$ is always true at Point B
- b. $\text{count} < 100$ is always false at Point B
- c. **$\text{count} < 100$ is always true at Point A and $\text{count} < 100$ is always false at Point C**
- d. $\text{count} < 100$ is always true at Point C

Question 31

How many times is the println statement executed?

```
for (int i = 0; i < 10; i++)  
    for (int j = 0; j < 10; j++)  
        System.out.println(i * j);
```

- a. 100
- b. 1000
- c. 20
- d. 10

Question 31

How many times is the println statement executed?

```
for (int i = 0; i < 10; i++)  
    for (int j = 0; j < 10; j++)  
        System.out.println(i * j);
```

- a. **100**
- b. 1000
- c. 20
- d. 10

Question 32

what is the output for y?

```
int y = 0;
for (int i = 0; i<10; ++i) {
    y += i;
}
System.out.println(y);
```

- a. 1
- b. 36
- c. 45
- d. 9

Question 32

what is the output for y?

```
int y = 0;
for (int i = 0; i<10; ++i) {
    y += i;
}
System.out.println(y);
```

- a. 1
- b. 36
- c. 45**
- d. 9

Question 33

The following loop displays _____.

```
for (int i = 1; i <= 10; i++) {  
    System.out.print(i + " ");  
    i++;  
}
```

- a. 1 2 3 4 5 6 7 8 9
- b. 1 2 3 4 5 6 7 8 9 10
- c. 1 2 3 4 5
- d. 1 3 5 7 9

Question 33

The following loop displays _____.

```
for (int i = 1; i <= 10; i++) {  
    System.out.print(i + " ");  
    i++;  
}
```

- a. 1 2 3 4 5 6 7 8 9
- b. 1 2 3 4 5 6 7 8 9 10
- c. 1 2 3 4 5
- d. 1 3 5 7 9**

Question 34

What will be displayed when the following code is executed?

```
int number = 6;  
while (number > 0) {  
    number -= 3;  
    System.out.print(number + " ");  
}
```

- a. 6,3,0
- b. 6,3
- c. 3,0
- d. 0

Question 34

What will be displayed when the following code is executed?

```
int number = 6;  
while (number > 0) {  
    number -= 3;  
    System.out.print(number + " ");  
}
```

- a. 6,3,0
- b. 6,3
- c. 3,0**
- d. 0

Question 35

Which of the following loops prints "Welcome to Java" 10 times?

- a.

```
for (int count = 1; count <= 10; count++) {  
    System.out.println("Welcome to Java");  
}
```
- b.

```
for (int count = 2; count < 10; count++) {  
    System.out.println("Welcome to Java");  
}
```
- c.

```
for (int count = 1; count < 10; count++) {  
    System.out.println("Welcome to Java");  
}
```
- d.

```
for (int count = 0; count <= 10; count++) {  
    System.out.println("Welcome to Java");  
}
```

Question 35

Which of the following loops prints "Welcome to Java" 10 times?

- a. **for (int count = 1; count <= 10; count++) {
 System.out.println("Welcome to Java");**
- b. for (int count = 2; count < 10; count++) {
 System.out.println("Welcome to Java");
}
- c. for (int count = 1; count < 10; count++) {
 System.out.println("Welcome to Java");
}
- d. for (int count = 0; count <= 10; count++) {
 System.out.println("Welcome to Java");
}

The for loop is primarily used to:

- a. Repeatedly execute a section of code
- b. Conditionally execute a section of code
- c. Branch to another section of code

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- b. Conditionally execute a section of code
- c. Branch to another section of code

Question 37

What will be displayed when the following code is executed?

```
public class Highlight {  
    public static void main(String[] args) {  
        int[] numbers = {10, 20, 30, 40, 50, 60, 70, 80, 90};  
        for (int x : numbers) {  
            if (x == 30 || x == 60 || x == 90 || x == 120) {  
                continue;  
            }  
            System.out.print(x + " ");  
            continue;  
        }  
    }  
}
```

a. 10 20 30 40 50 60 70 80 90 120

C 10 20 30 40 50 60 70 80 90

b. 10 20 40 50 70 80

d. Compilation Error

Question 37

What will be displayed when the following code is executed?

```
public class Highlight {  
    public static void main(String[] args) {  
        int[] numbers = {10, 20, 30, 40, 50, 60, 70, 80, 90};  
        for (int x : numbers) {  
            if (x == 30 || x == 60 || x == 90 || x == 120) {  
                continue;  
            }  
            System.out.print(x + " ");  
            continue;  
        }  
    }  
}
```

a. 10 20 30 40 50 60 70 80 90 120

C 10 20 30 40 50 60 70 80 90

b. 10 20 40 50 70 80

d. Compilation Error

Question 38

What will be the value of x, when the following code is

```
public class GuessWhat
{
    public static void main(String args[])
    {
        int a[] = {11, 6, 17, 8, 9, 34, 14};
        System.out.println(guessWhat(a));
    }
    public static int guessWhat(int arr[])
    {
        int x = 0;
        for (int element : arr)
            x = x < element ? element : x;
        return x;
    }
}
```

a. Returns the index of the highest element in the array

b. Returns the highest element in the array

c. Returns true/false if there are any elements that repeat in the array

d. Returns the index of the lowest element in the array

Question 38

What will be the value of x, when the following code is

```
public class GuessWhat
{
    public static void main(String args[])
    {
        int a[] = {11, 6, 17, 8, 9, 34, 14};
        System.out.println(guessWhat(a));
    }
    public static int guessWhat(int arr[])
    {
        int x = 0;
        for (int element : arr)
            x = x < element ? element : x;
        return x;
    }
}
```

a. Returns the index of the highest element in the array

b. Returns the highest element in the array

c. Returns true/false if there are any elements that repeat in the array

d. Returns the index of the lowest element in the array

Question 39

What will be the output of the following program?

```
public class Statement
{
    public static void main(String[] args)
    {
        int[] numbers = {10, 20, 30, 40, 50, 60, 70, 80, 90};
        for (int x : numbers)
        {
            if (x == 30 || x == 60 || x == 90 || x == 120)
            {
                continue;
            }
            System.out.print(x + " ");
            continue;    // LINE 1
            break;        // LINE 2
        }
    }
}
```

a. 10 20 40 50 70 80

c. Compilation Error at LINE 1

b. Compilation Error at LINE 2

d. 10 20 30 40 50 60 70 80 90

Question 39

What will be the output of the following program?

```
public class Statement
{
    public static void main(String[] args)
    {
        int[] numbers = {10, 20, 30, 40, 50, 60, 70, 80, 90};
        for (int x : numbers)
        {
            if (x == 30 || x == 60 || x == 90 || x == 120)
            {
                continue;
            }
            System.out.print(x + " ");
            continue;    // LINE 1
            break;        // LINE 2
        }
    }
}
```

a. 10 20 40 50 70 80

b. **Compilation Error at LINE 2**

c. Compilation Error at LINE 1

d. 10 20 30 40 50 60 70 80 90

Question 40

What will be the output of the following program?

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

a. Compile time error

b. FRIENDS (infinitely)

c. FRIENDS

d. FRIENDS ENEMY

Question 40

What will be the output of the following program?

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

a. **Compile time error**

b. FRIENDS (infinitely)

c. FRIENDS

d. FRIENDS ENEMY



THANK YOU