1.

Consider the following code:
```
String[] dataList = {"x", "y", "z"};
for (String dataElement : dataList) {
    int innerCounter = 0;
    while (innerCounter < dataList.length) {
        System.out.println(dataElement + ", " + innerCounter);
        innerCounter++;
    }

}
```
How many times will the output contain 2?

Please select 1 option

○ 0

○ 1

○ 2

○ 3

○ 4

○ It will fail to compile.

2.

Consider the following code for the main() method:

```
public static void main(String[] args) throws Exception
{
    int i = 1, j = 10;
    do {
        if (i++ > --j) continue;
    } while (i < 5);
    System.out.println("i=" + i + " j=" + j);
}
```

What will be the output when the above code is executed?

Please select 1 option

○ i=6 j=6

○ i=5 j=6

○ i=5 j=5

○ i=6 j=5

○ None of these.

3.

Using a break in a while loop causes the loop to break the current iteration and start the next iteration of the loop.

Please select 1 option

○ True

○ False

4.

What can be inserted in the following code so that it will print exactly 2345 when compiled and run?

```java
public class FlowTest {

    static int[] data = {1, 2, 3, 4, 5};

    public static void main(String[] args) {
        for (int i : data) {
            if (i < 2) {
                //insert code1 here
            }
            System.out.print(i);
            if (i == 3) {
                //insert code2 here
            }
        }
    }
}
```

Please select 2 options

☐ and

```
break;
//nothing is required
```

☐ and

```
continue;
//nothing is required
```

☐ and

```
continue;
continue;
```

☐ and

```
break;
continue;
```

☐ and

```
break;
break;
```

5.

You have an array of objects and you want to search for a particular object in that array. Which of the following Java statements will you need to use?

Please select 2 options

☐ Conditional

☐ Iterative/loop

☐ Instantiation

☐ Assignment

6.

Which of the following are true about the enhanced for loop?

Please select 2 options

☐ It can iterate over an array or a Collection but not an ArrayList.

☐ Using an enhanced for loop prevents the code from going into an infinite loop.

☐ Using an enhanced for loop on an array may cause infinite loop.

☐ You cannot find out the number of the current iteration while iterating.

7.

What will the following code print?

```java
void crazyLoop()
{
    int c = 0;
    JACK: while (c < 8)
    {
        JILL: System.out.println(c);
        if (c > 3) break JILL; else c++;
    }
}
```

Please select 1 option

○ It will not compile.

○ It'll throw an exception at runtime.

○ It will print numbers from 0 to 8

○ It will print numbers from 0 to 3

○ It will print numbers from 0 to 4

8.

What will be the result of attempting to compile and run the following program?

```java
class TestClass
{
    public static void main(String args[])
    {
        int i = 0;
        for (i=1 ;  i<5  ; i++) continue; //1
        for (i=0 ;        ; i++) break; //2
        for (    ; i<5?false:true ;    ); //3
    }
}
```

Please select 1 option

○ The code will compile without error and will terminate without problems when run.

○ The code will fail to compile, since the 'continue' can't be used this way.

○ The code will fail to compile, since the 'break' can't be used this way

○ The code will fail to compile, Since the for statement in the line 2 is invalid.

○ The code will compile without error but will never terminate.

9.

What will the following program print?

```java
class LoopTest
{
   public static void main(String args[])
   {
      int counter = 0;
      outer: for(int i = 0; i < 3; i++)
         middle: for(int j = 0; j < 3; j++)
               inner: for(int k = 0; k < 3; k++)
      {
            if(k-j>0) break middle;
                           counter++;
                  }
    System.out.println(counter);
   }
}
```

Please select 1 option

- ○ 2
- ○ 3
- ○ 6
- ○ 7
- ○ 9

10.

What will the following code print?

```java
void crazyLoop()
{
   int c = 0;
   JACK: while (c < 8)
   {
      JILL: System.out.println(c);
      if (c > 3) break JACK; else c++;
   }
}
```

Please select 1 option

- ○ It will not compile.
- ○ It will throw an exception at runtime.
- ○ It will print numbers from 0 to 8
- ○ It will print numbers from 0 to 3
- ○ It will print numbers from 0 to 4