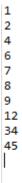# SBA-1 HELANI PAUL-210914

1. Create an array of 10 elements and print them using for each loop?

```java
public class Array {
    public static void main(String[] args) {
        int[] numbers = {1,2,4,6,7,8,9,12,34,45};
        for(int num : numbers) {
            System.out.println(num);

        }
    }
}
```

OUTPUT

```
1
2
4
6
7
8
9
12
34
45
```

2. Take the number input from the console and add all the positive numbers. (not to consider the negative number if entered)

```java
import java.util.Scanner;
public class PositiveNumber {
    public static void main(String[] args)
    {
        int Size, i;
        int positiveCount = 0;
        Scanner sc = new Scanner(System.in);

        System.out.print(" Please Enter Number of elements in an array : ");
        Size = sc.nextInt();

        int [] a = new int[Size];

        System.out.print(" Please Enter " + Size + " elements of an Array  : ");
        for (i = 0; i < Size; i++)
        {
            a[i] = sc.nextInt();
        }

        for(i = 0; i < Size; i++)
        {
            if(a[i] >= 0)
            {
                positiveCount+=i;
            }
        }
        System.out.println(" Total Number of Positive Numbers in this Array = " + positiveCount);
    }
}
```

OUTPUT

```
Please Enter Number of elements in an array : 5
Please Enter 5 elements of an Array  : 3
-2
4
5
-9

Total Number of Positive Numbers in this Array = 5
```

3.Create a labeled break and write a simple logic and execute the program.

```java
class Ques3 {
    public static void main(String[] args) {

        // for loop
        for (int i = 1; i <= 10; i++) {

            // if the value of i is 5 the loop terminates
            if (i == 5) {
                break;
            }
            System.out.println(i);
        }
    }
}
```

OUTPUT

```
1
2
3
4
```

4.Do the addition of around 10 even numbers, but use the continue statement in the logic.

```java
import java.io.*;
class Even
{
    public static void main(String[] args)
    {
        int count=0;
        int sum = 0;
        outer:
        for(int i=1;i<50;i++)
        {
            if(i%2!=0)
            {
                continue;
            }
            else if(i%2==0)
            {
                sum+=i;
                count++;
                if(count==10)
                {
                    break outer;
                }
            }

        }
        System.out.println("Sum of 10 even numbers"+"="+sum);
    }
}
```

OUTPUT

```
Sum of 10 even numbers=110
```