

SBA-1 Abdul Javid - 210932

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

```
public class ForEachLoop {  
  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
  
        String[] intArray = new String[]{"Apple","Orange","Banana","Grapes","Pappaya",  
            "JackFruit","Kiwi","Strawberry","Mango","Watermelon"};  
        System.out.println("Displaying array elements: ");  
  
        for(String item:intArray)  
        {  
            System.out.println(item+" ");  
        }  
    }  
}
```

Output:

```
Displaying array elements:  
Apple  
Orange  
Banana  
Grapes  
Pappaya  
JackFruit  
Kiwi  
Strawberry  
Mango  
Watermelon
```

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

```
import java.util.Scanner;

public class SumofPositive {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int sum=0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the limit : ");
        int len = sc.nextInt();
        int[] arr = new int[len];

        System.out.println("Enter the numbers : ");
        for(int i=0;i<len;i++)
        {
            arr[i] = sc.nextInt();
        }
        for(int i=0;i<len;i++)
        {
            if(arr[i]<0)
            {
                continue;
            }
            sum = sum+arr[i];
        }
        System.out.println("The sum of all positive numbers is: "+sum);
        sc.close();
    }
}
```

Output:

```
Enter the limit :
6
Enter the numbers :
7
-4
0
4
2
-10
The sum of all positive numbers is: 13
```

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

```
public class LabelledBreak {  
  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        int i=1;  
        a:  
        while(i<10)  
        {  
            if(i==5)  
            {  
                break a; // labeled break  
            }  
            System.out.println("i= "+i);  
            i++;  
        }  
        System.out.println("Out of while loop");  
    }  
}
```

Output:

```
i= 1  
i= 2  
i= 3  
i= 4  
Out of while loop
```

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

```
public class EvenNumbersSum {  
  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        int sum=0;  
        System.out.println("first 10 even numbers: ");  
        for(int i=1;i<=20;i++)  
        {  
            if(i%2!=0)  
            {  
                continue;  
            }  
            System.out.print(i+" ");  
            sum = sum+i;  
        }  
        System.out.println();  
        System.out.println("The sum of first 10 even numbers: "+sum);  
    }  
}
```

Output:

```
first 10 even numbers:  
2 4 6 8 10 12 14 16 18 20  
The sum of first 10 even numbers: 110
```