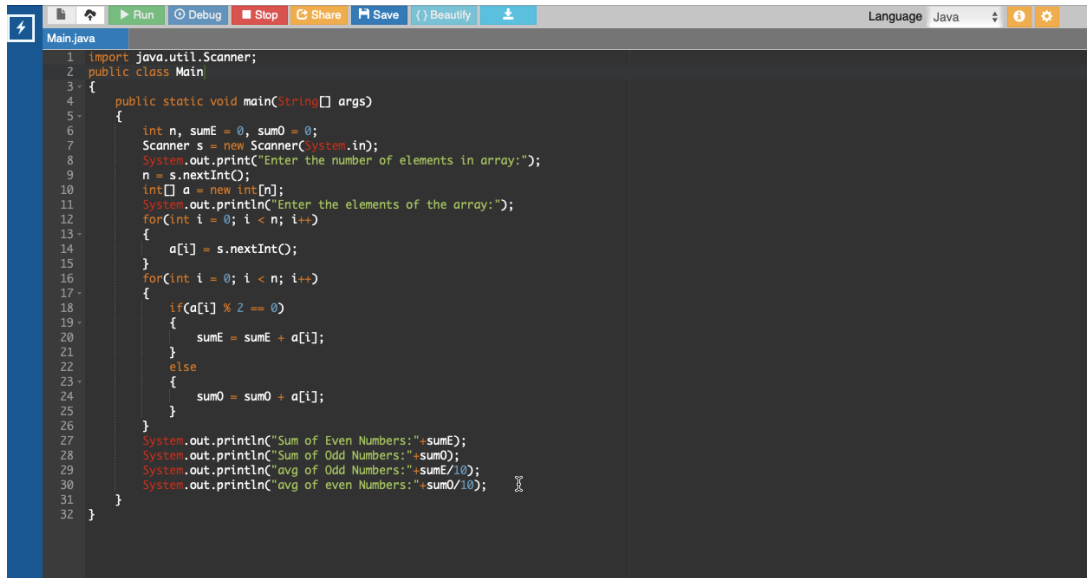|	
NAME – RAJDEEP JAISWAL	DATE – 08 Oct 2021
BRANCH – BTECH CSE	SEC = 13 A
UID -20BCS2761	
SUB- JAVA ASSIGNMENT	

Q 3 Write a program to print the sum and average of the even and odd numbers separately given on command line argument.
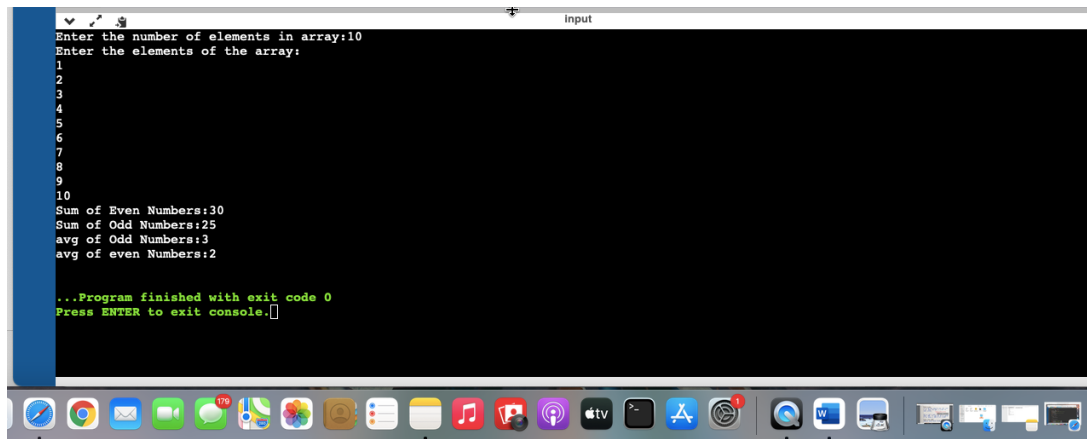
CODE -

```java
import java.util.Scanner;
public class Main
{
    public static void main(String[] args)
    {
        int n, sumE = 0, sumO = 0;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the number of elements in array:");
        n = s.nextInt();
        int[] a = new int[n];
        System.out.println("Enter the elements of the array:");
        for(int i = 0; i < n; i++)
        {
            a[i] = s.nextInt();
        }
        for(int i = 0; i < n; i++)
        {
            if(a[i] % 2 == 0)
            {
                sumE = sumE + a[i];
            }
            else
            {
                sumO = sumO + a[i];
            }
        }
        System.out.println("Sum of Even Numbers:"+sumE);
        System.out.println("Sum of Odd Numbers:"+sumO);
        System.out.println("avg of Odd Numbers:"+sumE/10);
        System.out.println("avg of even Numbers:"+sumO/10);
    }
```

Compiler Code And Output –

```java
import java.util.Scanner;
public class Main
{
    public static void main(String[] args)
    {
        int n, sumE = 0, sumO = 0;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter the number of elements in array:");
        n = s.nextInt();
        int[] a = new int[n];
        System.out.println("Enter the elements of the array:");
        for(int i = 0; i < n; i++)
        {
            a[i] = s.nextInt();
        }
        for(int i = 0; i < n; i++)
        {
            if(a[i] % 2 == 0)
            {
                sumE = sumE + a[i];
            }
            else
            {
                sumO = sumO + a[i];
            }
        }
        System.out.println("Sum of Even Numbers:"+sumE);
        System.out.println("Sum of Odd Numbers:"+sumO);
        System.out.println("avg of Odd Numbers:"+sumE/10);
        System.out.println("avg of even Numbers:"+sumO/10);
    }
}
```

```
Enter the number of elements in array:10
Enter the elements of the array:
1
2
3
4
5
6
7
8
9
10
Sum of Even Numbers:30
Sum of Odd Numbers:25
avg of Odd Numbers:3
avg of even Numbers:2

...Program finished with exit code 0
Press ENTER to exit console.
```