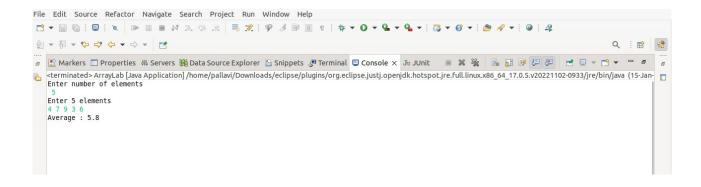
LAB EXAM

Concepts of Programming & Concepts & Concep

Write a program that creates and initializes a "N" element integer array. Calculate and display the average of its values.

```
package com.lab0s;
import java.util.Scanner;
public class ArrayLab {
      public static void main(String args[]) {
            int count, sum = 0, i;
            int[] inputArray = new int[500];
            Scanner in = new Scanner(System.in);
            System.out.println("Enter number of
elements");
            count = in.nextInt();
            System.out.println("Enter " + count + "
elements");
            for(i = 0; i < count; i++) {
                inputArray[i] = in.nextInt();
                sum = sum + inputArray[i];
            }
            System.out.println("Average : " +
(double)sum/count);
    }
```

Output:



2. Write a C Program which receives a SIGINT Signal and when received SIGINT prints "received the signal", and sets to the default behavior, so that second time if a SIGINT is received to the program, it will terminate.

```
pallavi@pallavi-Lenovo-ideapad-320-15IKB: ~
 GNU nano 4.8
                                             sigint.c
 include <st
#include<sys/wait.h>
#include <stdlib.h>
#include <unistd.h>
#include <errno.h:
 int kill(pid_t pid,int sig);
 void main()
int id;
printf("Enter pid of the process you want to send to \n");
scanf("%d",&id);
kill(id,SIGINT);
printf("Received the signal %d \n",errno);
                                      [ Read 17 lines
 Get Help
                   ^O Write Out
                                        Where Is
                                                          Cut Text
                                                                          ^J Justify
                     Read File
   Exit
```

```
^C
pallavi@pallavi-Lenovo-ideapad-320-15IKB:~$ nano sigrev.c
pallavi@pallavi-Lenovo-ideapad-320-15IKB:~$ nano sigint.c
pallavi@pallavi-Lenovo-ideapad-320-15IKB:~$ gcc sigint.c -o sigint
pallavi@pallavi-Lenovo-ideapad-320-15IKB:~$ ./sigint
Enter pid of the process you want to send to
30
Received the signal 1
pallavi@pallavi-Lenovo-ideapad-320-15IKB:~$
```

Submitted By:

Pallavi Dudhe (2200960920055)