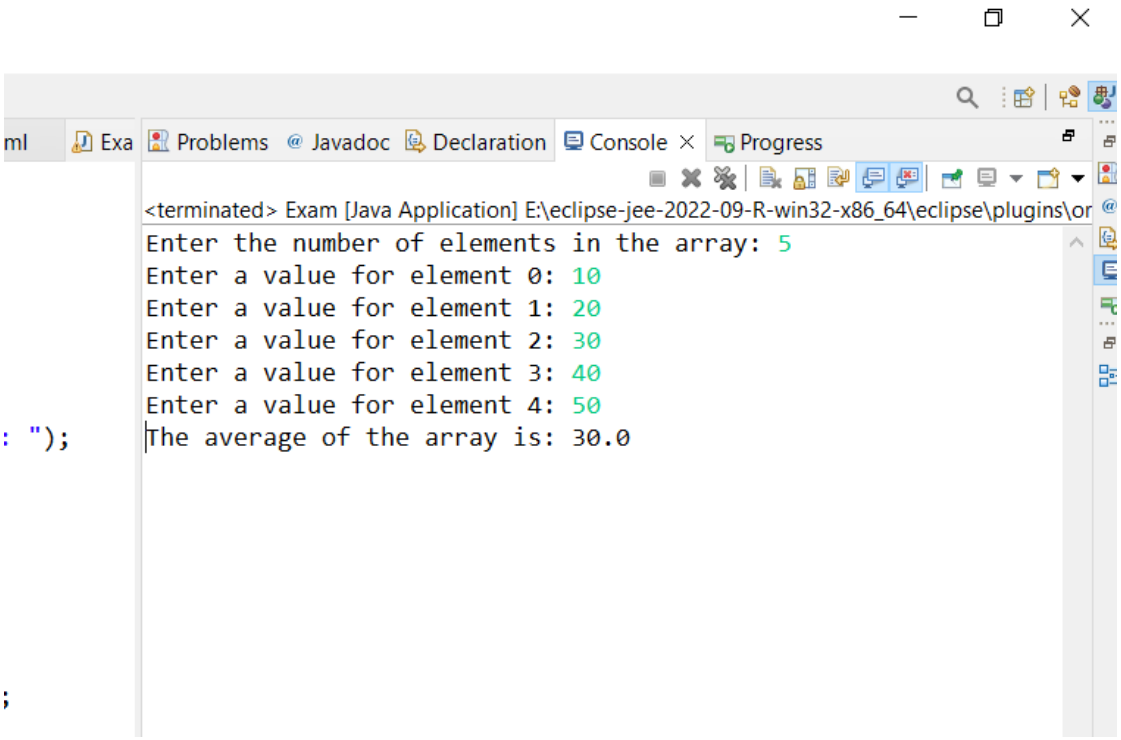
1. Write a program that creates and initializes a N element integer array. Calculate and display the average of its values.

```
package exampkg;
import java.util.Scanner;


public class Exam {
  public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);

    System.out.print("Enter the number of elements in the array: ");
    int n = sc.nextInt();


    int[] arr = new int[n];


    for (int i = 0; i < n; i++) {
      System.out.print("Enter a value for element " + i + ": ");
      arr[i] = sc.nextInt();
    }


    double average = 0;
    for (int i = 0; i < n; i++) {
      average += arr[i];
    }
    average /= n;


    System.out.println("The average of the array is: " + average);
  }
}
```

OUTPUT:


ml
Exa
Problems
Javadoc
Declaration
Console
Progress
<terminated> Exam [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\or
Enter the number of elements in the array: 5
Enter a value for element 0: 10
Enter a value for element 1: 20
Enter a value for element 2: 30
Enter a value for element 3: 40
Enter a value for element 4: 50
The average of the array is: 30.0
: ");
;

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 isreceived to the program, it will terminate.