



Green University of Bangladesh

Department of Computer Science and Engineering

Lab report-3

Course Title: Object Oriented Programming Lab

Course code: CSE 202

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Problem Name: Java Program to Calculate Average Using Arrays

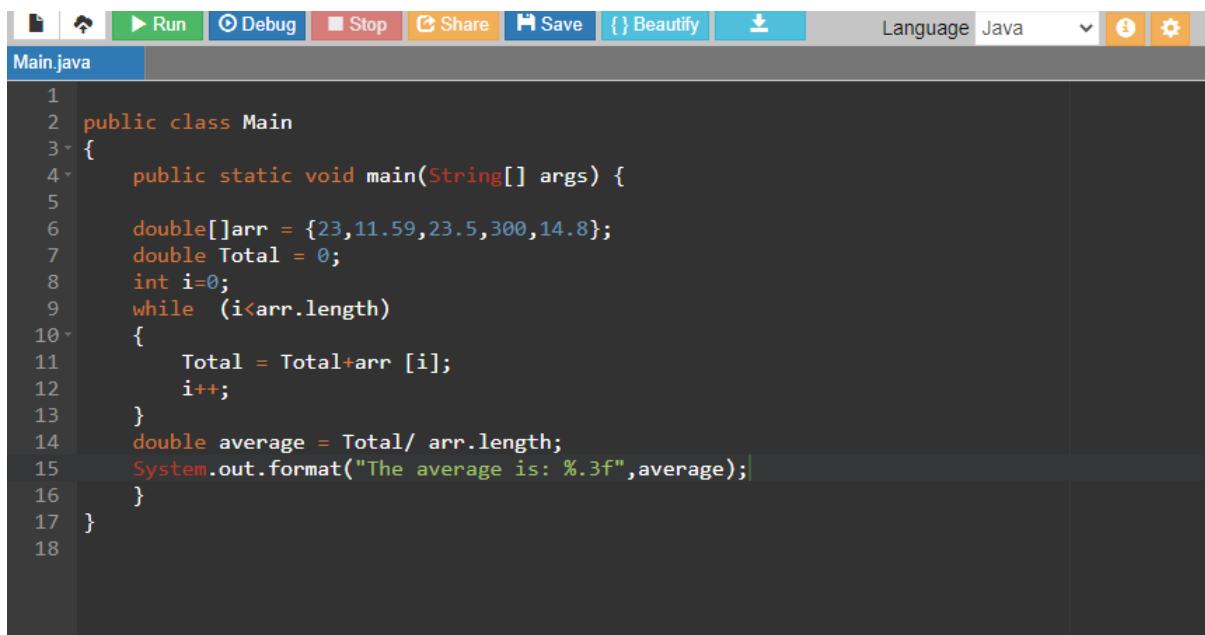
Objective:

1. This program help us to know about the basics of JAVA.
2. Easily we can understand using a array and loop how we can find out sum of number and average of this numbers.
3. We can observe how loops work in an object oriented programming.

Procedure:

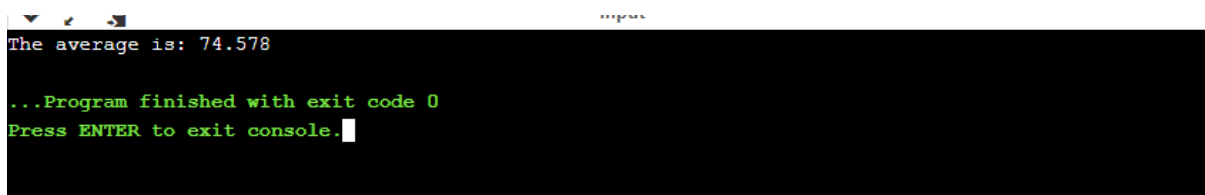
1. Start.
2. Open NetBeans and create a new class.
3. Declare array
4. Initialize double Total = 0 and int i=0
5. Use while loop from i to arr.length
6. Divide the result of loop by arr.length
7. Print double average.
8. End.

Program Code (input):



```
1
2 public class Main
3 {
4     public static void main(String[] args) {
5
6         double[]arr = {23,11.59,23.5,300,14.8};
7         double Total = 0;
8         int i=0;
9         while (i<arr.length)
10        {
11            Total = Total+arr [i];
12            i++;
13        }
14        double average = Total/ arr.length;
15        System.out.format("The average is: %.3f",average);
16    }
17 }
18
```

Output:



```
The average is: 74.578

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

Discussion:

By this program we can learn about some basic functions of object oriented programming. We also learnt how we can get input from user and print them and using for loop we get input and finally find sum and average of those numbers and printed the result .