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SECTION : CSE-3
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Question :

Write a Java program that calculates the average of a list of numbers. You should create a class called *NumberCalculator* that has the following attributes and methods:

- An instance variable *numbers* that is an array of integers to store the list of numbers.
- A constructor that takes an array of integers as an argument and initializes the *numbers* array.
- A method *calculateAverage()* that calculates and returns the average of the numbers in the numbers array.
- In your main program, create an object of th**e** *NumberCalculator* class and use it to calculate the average of a list of numbers provided by the user. Use a loop to take the numbers from the array and display the result.

Output:

```
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-4> javac .\NumberCalculator.java
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-4> java NumberCalculator
Enter size of Array :
10
1
2
3
4
5
6
7
8
9
10
The average for given array of elements is : 5.5
PS C:\Mahindra Notes and schedule\semester 5\OOPS\Lab\lab_works\week-4>
```

The output for the question is as expected.