

E66.java

```

1 import java.util.Scanner;
2
3 public class E66 {
4
5     public static void main(String[] args) {
6         //Create and initialize local variables
7         float average = 0;
8         float smallest = 999999;
9         float largest= -999999;
10        float range = 0;
11        float input = 0;
12        int count = 0;
13        float sum = 0;
14
15
16        //Start scanner for input
17        Scanner scan = new Scanner(System.in);
18        System.out.print("Enter a value (or any letter to quit the program): ");
19
20        while(scan.hasNextFloat()) {
21            input = scan.nextFloat();
22
23            //Sum
24            sum += input;
25            count++;
26
27            //Methods to calculate smallest and largest inputs
28            largest = Math.max(largest, input);
29            smallest = Math.min(smallest, input);
30
31        }
32        //Calculate average & range
33        average = sum / count;
34        range = largest - smallest;
35
36        //Print values
37        System.out.println("Smallest: " + smallest);
38        System.out.println("Largest: " + largest);
39        System.out.println("Average: " + average);
40        System.out.println("Range: " + range);
41
42    }
43
44
45 /*
46 * Enter a value (or any letter to quit the program): 10
47 10
48 10
49 10
50 10
51 10
52 46
53 5646
54 665
55 65
56 6
57 565

```

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```
58 65
59 ;
60 Smallest: 6.0
61 Largest: 5646.0
62 Average: 547.53845
63 Range: 5640.0
64
65 */
66
67 }
68
```