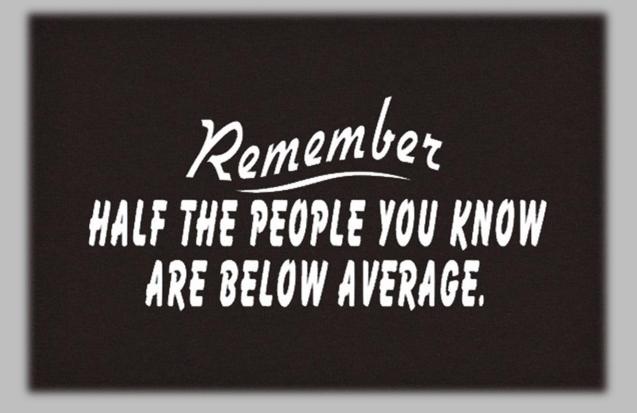*Peter Gomes*
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Scanner – 10 Number Sum / Average

Objective: This project is used to teach us the basics of scanners, inputs in the console, storing their values and performing calculations.

Description: Generate an application that will prompt the user for ten numbers, and then display the sum, and average of those values.

<u>Documentation:</u>

<u>Flowcharts, Images, Information, Test Page</u>

Flowchart: Flowchart.docx

Images/Graphs: None

Information:

Num1 = first number variable.

Num2 = second number variable.

Num3 = third number variable.

Num4 = fourth number variable.

Num5 = fifth number variable.

Num6 = sixth number variable.

Num7 = seventh number variable.

Num8 = first number variable.

Num9 = first number variable.

Num10 = first number variable.

Pre-Test – Input the number 1 ten times, the number -1 ten times, and the number 5 five times + the number -10 five times.

Post-Test –Displays the sum and average.

Screenshots:

```
Enter your first number below:
1
Enter your second number below:
1
Enter your third number below:
1
Enter your fourth number below:
1
Enter your fifth number below:
1
Enter your sixth number below:
1
Enter your seventh number below:
1
Enter your eighth number below:
1
Enter your ninth number below:
1
Enter your tenth number below:
1

Thank you. Here is the sum:
10.0
Here is the average:
1.0
```

1: The number 1 is inputted ten times and the sum / average is 10/1.

```
Enter your first number below:
-1
Enter your second number below:
-1
Enter your third number below:
-1
Enter your fourth number below:
-1
Enter your fifth number below:
-1
Enter your sixth number below:
-1
Enter your seventh number below:
-1
Enter your eighth number below:
-1
Enter your ninth number below:
-1
Enter your tenth number below:
-1

Thank you. Here is the sum:
-10.0
Here is the average:
-1.0
```

2: The number -1 is inputted ten times and the sum / average is -10/-1.

```
Enter your first number below:
5
Enter your second number below:
5
Enter your third number below:
5
Enter your fourth number below:
5
Enter your fifth number below:
5
Enter your sixth number below:
-10
Enter your seventh number below:
-10
Enter your eighth number below:
-10
Enter your ninth number below:
-10
Enter your tenth number below:
-10

Thank you. Here is the sum:
-25.0
Here is the average:
-2.5
```

3: The number 5 is inputted five times and the number -10 is inputted five times, the sum / average is -25 / -2.5.

SOURCE CODE

Scanner Calculations Sum and Average

Link: InputCalculationSumAverage.java