MIPS Assignment 9

Average

Program

Write a program that lets the user input a variable number of integers, then outputs the sum and average of those integers, as double precision floating point numbers.

The Input

As with previous assignments, each integer will be entered on a single line. Do **_not_** use the syscall code to input doubles, as that would defeat the point of this assignment. Instead use the syscall code to input **_integers_**.

The **_first integer_** will be the *count* of integers to average. Then, that number of integers will be entered.

The Output

The program will output two double precision floating point numbers:

1. The sum of all inputted integers

2. The average of the inputted integers (all but the first)

As with all previous assignments, each outputted number should be followed by a newline character ('\n' aka ASCII 10 aka Hex 0x0A).

If, for example, the user wanted to input the average of 3 integers, they might enter the following:

```
3
5
5
6
```

A correct program would then output the following:

```
16
5.33333333333333304
```

Similarly to one of your previous assignments, you'll notice the outputted average may not look correct at the tail-end in all cases, and that is okay.

Assignment Tag

For this assignment, use the following *Assignment tag*: *Mips9Average*