Simple Average

Project Explanation

This program must use a loop and an accumulation pattern to calculate the average of a sequence of numbers. First, ask the user to tell you how many numbers you want to average. Then, use a loop to get the numbers to average from the user one at a time. Finally, compute the average and present it to the user. Example run:

```
Program to compute the average of the numbers provided.

How many numbers would you like to average? 4
Enter number 1: 10
Enter number 2: 15
Enter number 3: 5
Enter number 4: 10

The average is 10.0.
```

Hints

1. Use the `range()` function in a for loop to establish the number of times you ask the user to enter a number.
2. Use the number produced by iterating through the `range()` to print the number portion of the prompt. Convert the int to a string and concatenate it to the rest of the prompt.
3. As the user enters each number, accumulate the sum total. Do not label your variable "`sum`" because "`sum`" is also the name of a built-in function.
4. To compute an average, divide the sum of the numbers by the number of numbers.