**CSI 31 / Basic Program Design Outline for Average of n Number**

**Program Name** Problem-2 (average).py

**General description of the problem to be solved.**

This program computes the average of **n** numbers.

**Program design tasks**

The tasks that the **main** function must perform are to:

1. Print an introduction describing the program to the user.
2. Prompting user for the variables **n** that is for determining number of inputs.
3. The program calculates the summationby assigning the addition of all the user inputs **n** into **sum** variable **,** then compute **avg** by dividing **sum** by **n.**
4. Finally, printing the value of **avg** to the screen.

**Input:** The program will prompt the user to enter the number of inputs to be averaged

Enter the number of inputs to take:

Enter the number:

Enter the number:

Enter the number:

Enter the number:

**Output:** The program will print out the value of **average** variable.

The average of those numbers is*:*

.

**List of variables needed.**

The variables needed are the number of inputs to take from user that is **n** and then calculating the sum of them, finally calculating the **average** which is the sum of the numbers divided by **n**.

**#CSI 31 Madelaine Bates average.py**

**def main():**

**print("This program will compute the average of three numbers")**

**a = eval(input("Enter the value of the first number: "))**

**b = eval(input("Enter the value of the second number: "))**

**c = eval(input("Enter the value of the third number: "))**

**average = (a + b + c) / 3**

**print("The average of the three numbers is: ",average)**

**main()**

**"""**

**This program will compute the average of three numbers**

**Enter the value of the first number: 20**

**Enter the value of the second number: 10**

**Enter the value of the third number: 15**

**The average of the three numbers is: 15.0**

**"""**