**CSI 31 / Basic Program Design Outline for finding the volume of a box**

**Program Name** Problem-1 (volume).py

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

This program computes the volume of a box

**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* ***l, w*** *and* ***h.***
3. *Calculate the* ***volume*** *by multiplying the values of* ***l****,* ***w*** *and* ***h****.*
4. *Finally, printing the value of* ***volume*** *to the screen.*

**Input:** The program will prompt the user to enter the numbers to be averaged (called a, b,

and c).

*The value for length:*

*The value for width:*

*The value for height:*

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

The multiplication of **l**, **w**, **h** is the **volume**

**List of variables needed.**

The variables needed are the three inputs such as **l**, **w** and **h** andthe variable **volume** which is the multiplication of **l, w** and **h**.

**#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**

**"""**