

## **LAB EXERCISE**

### **Average**

#### **Background:**

1. Your instructor will provide you with a text file, *numbers.txt*, containing a large ( $N \leq 1000$ ) amount of integers. The integers range in value from 0 to 100. The text file has been created with one value on each line.
2. The number of integers in the file is unknown. You must read the text file until the EOF marker is encountered.
3. Your program must find the average of the list of numbers.
4. Because of the large amount of integers you will need to declare a total variable as a long integer.

#### **Assignment:**

1. Your program should display the average of the data in *numbers.txt*. Format the average to print with 2 decimal places.
2. Run your code and call your instructor to your workspace for scoring.