

CSCI 3000 Homework 1

In this assignment, you will use a temperature data of various cities in the world. The dataset is given in "tempData.txt" file, in which each line begins with a city name and continues with 12 temperature values for each month (from January to December).

You will write a C++ program that reads temperature data from the file and calculates the average temperature for each city in file. Finally, calculated average values with corresponding city names will be printed on the screen as well as written into the "output.txt" file. Please note that in this assignment, you do not have to use arrays. If you like you can use it, but it is not necessary.

A sample output of the program will be:

City: Elianestad	Average Temp: 73.9167
City: Binsfurt	Average Temp: 75.1667
City: Veumview	Average Temp: 69.8333
City: Edisonborough	Average Temp: 64.5833
City: North_Devyn	Average Temp: 72.4167
City: Devonchester	Average Temp: 70.1667
City: Hayestown	Average Temp: 68
City: Hudsonside	Average Temp: 70.9167
City: Lake_Lupe	Average Temp: 66.75
City: West_Eunice	Average Temp: 71.6667
City: Ortizhaven	Average Temp: 70.6667
City: Kleinstad	Average Temp: 66.5
City: North_Devin	Average Temp: 67
City: South_Casperfort	Average Temp: 70.4167
City: North_Ivahshire	Average Temp: 67.25
City: Lake_Cristian	Average Temp: 70.25
City: Nyasiashire	Average Temp: 68.4167
City: East_Mustafa	Average Temp: 73.5
City: Port_Oma	Average Temp: 70.9167
City: South_Bethel	Average Temp: 68.4167
City: Lake_Osbaldo	Average Temp: 73.1667

...

On the top of your source code, please add your name and number, Course ID, HW number and the date using a comment block. Please see the example below,

```
/*
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Semih Dinc - MY_STUDENT_NUMBER
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CSCI 3000, HW1
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8/29/2016
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*/
```

Please do not copy your code from someone else's program. The instructor may use a code comparison program that automatically checks the similarity between different programs. And do not hesitate to contact me if you are having trouble with the homework. I will be more than happy to help you to solve your problem.