**University of Michigan – Dearborn**

**CIS 150 – Computer Science 1**

**Lab# 7**

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**Table Content**

Contents

[Question 1 3](#_Toc34738731)

[Test Cases 3](#_Toc34738732)

[Source Code – see LAB7Q1.cpp 3](#_Toc34738733)

[Screenshots 3](#_Toc34738734)

[Question 2 6](#_Toc34738735)

[Test Cases 6](#_Toc34738736)

[Source Code – see LAB7Q2.cpp 6](#_Toc34738737)

[Screenshots 6](#_Toc34738738)

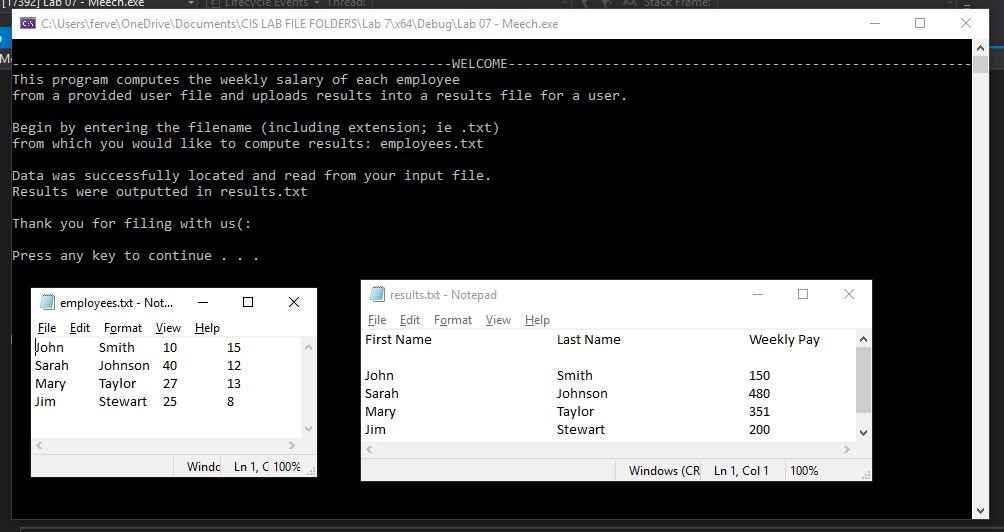
# Question 1

## Test Cases

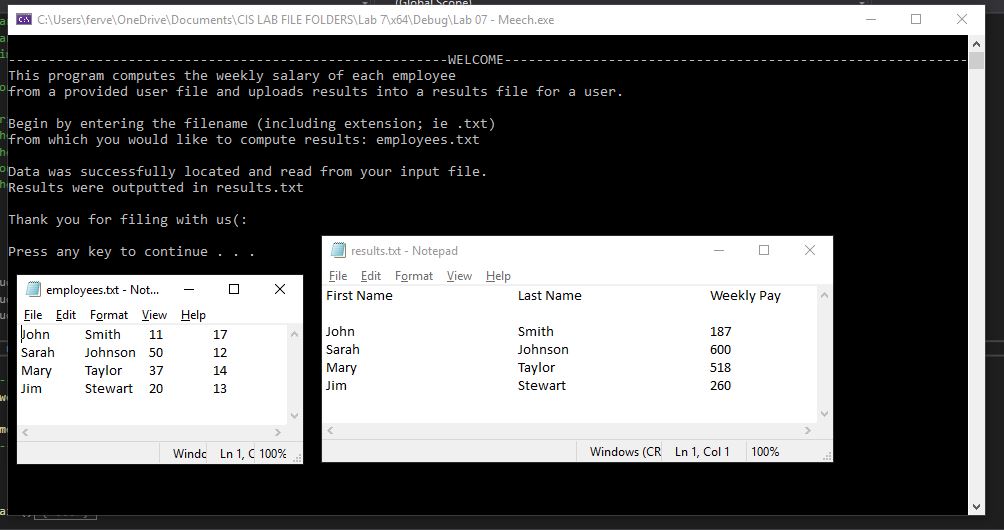
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test # | Valid / Invalid Data | Description of test | Input Value | Actual Output | Test Pass / Fail |
| 1 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 2 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 3 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 4 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 5 | valid | Test to see if error message will output for file not found/unable to open | See screenshot | See screenshot | pass |

## Source Code – see LAB7Q1.cpp

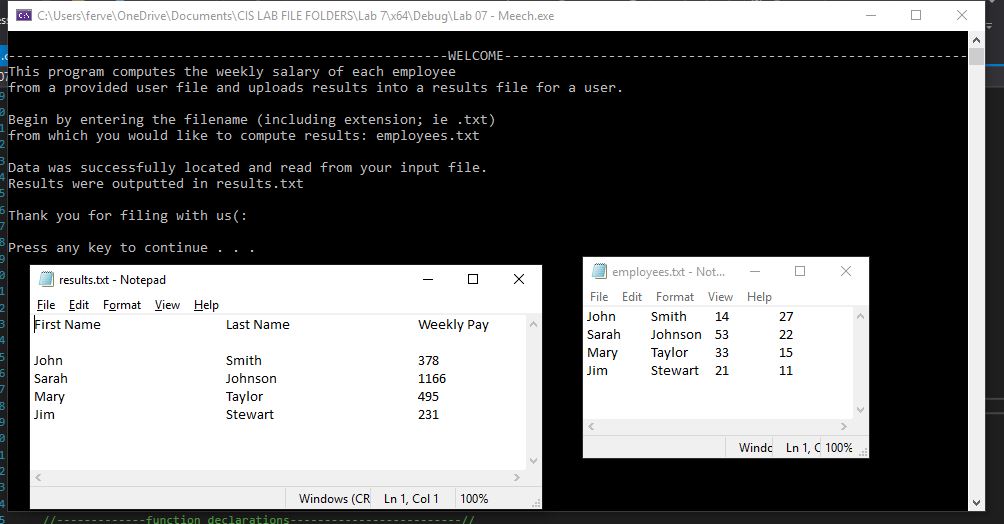
## Screenshots

TEST 1

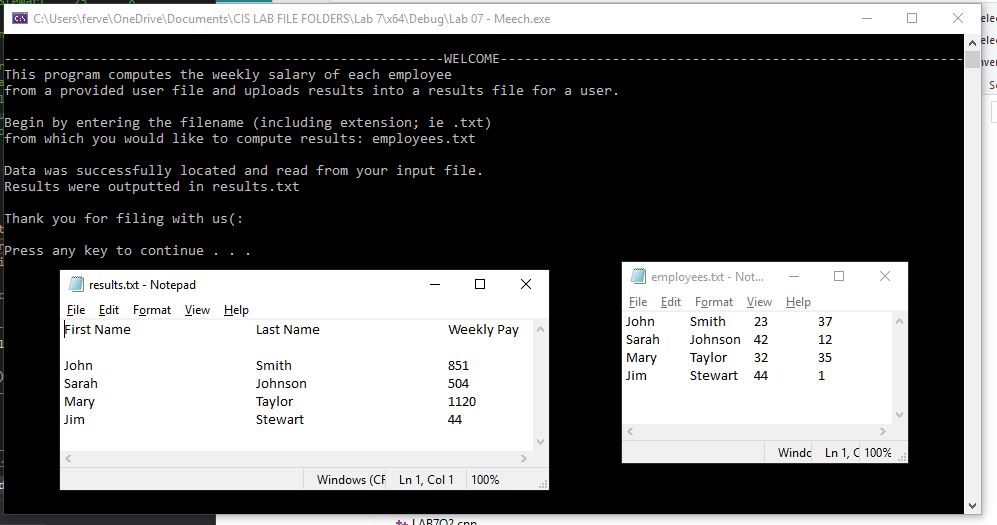
TEST 2



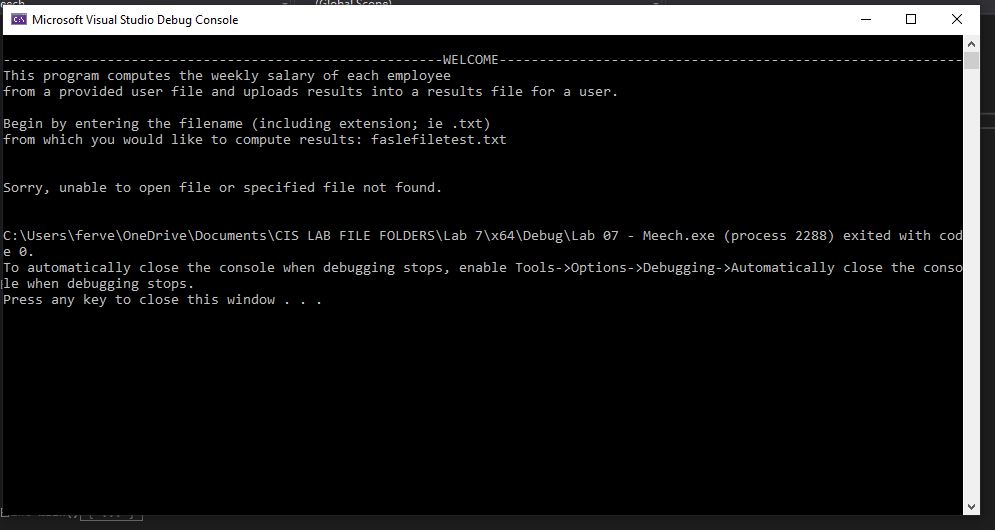
TEST 3



TEST 4



TEST5



# Question 2

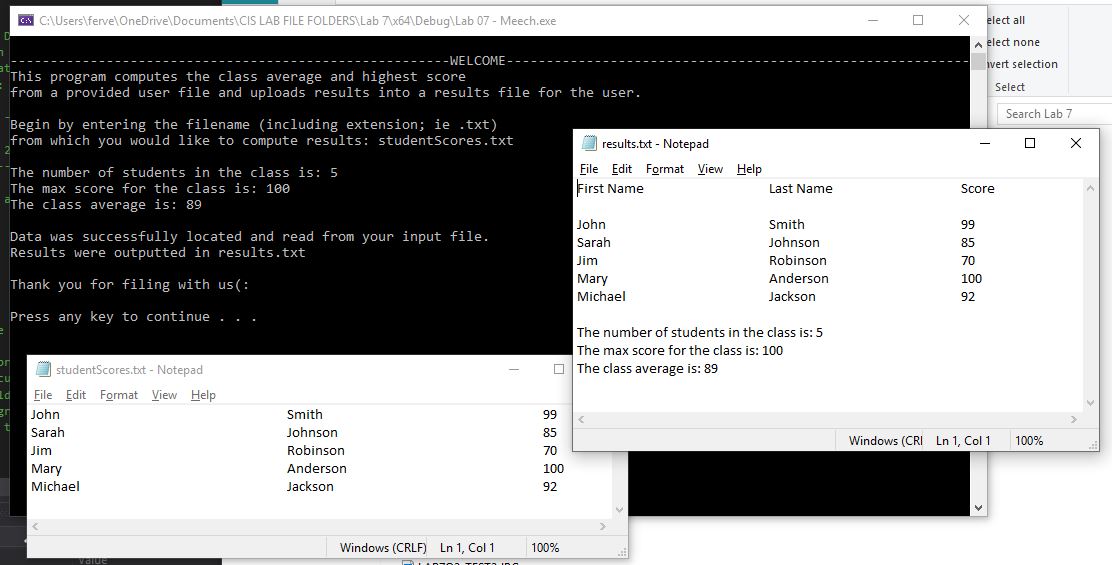
## Test Cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test # | Valid / Invalid Data | Description of test | Input Value | Actual Output | Test Pass / Fail |
| 1 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 2 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 3 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 4 | valid | Test to see if input file can be read and processed correctly | See screenshot | See screenshot | pass |
| 5 | valid | Test to see if error message will output for file not found/unable to open | See screenshot | See screenshot | pass |

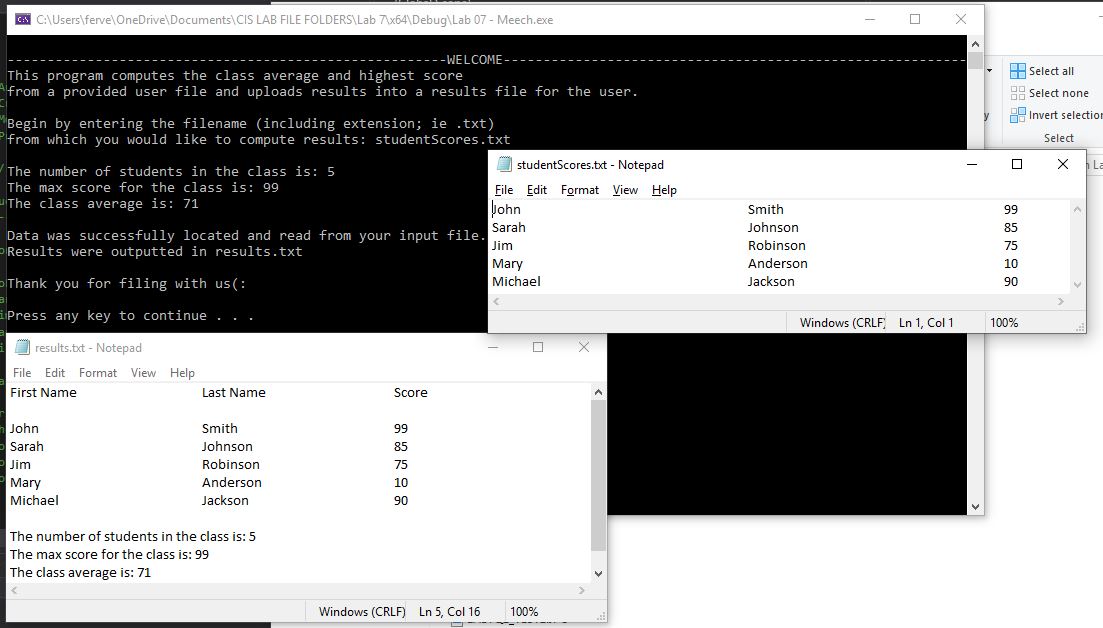
## Source Code – see LAB7Q2.cpp

## Screenshots

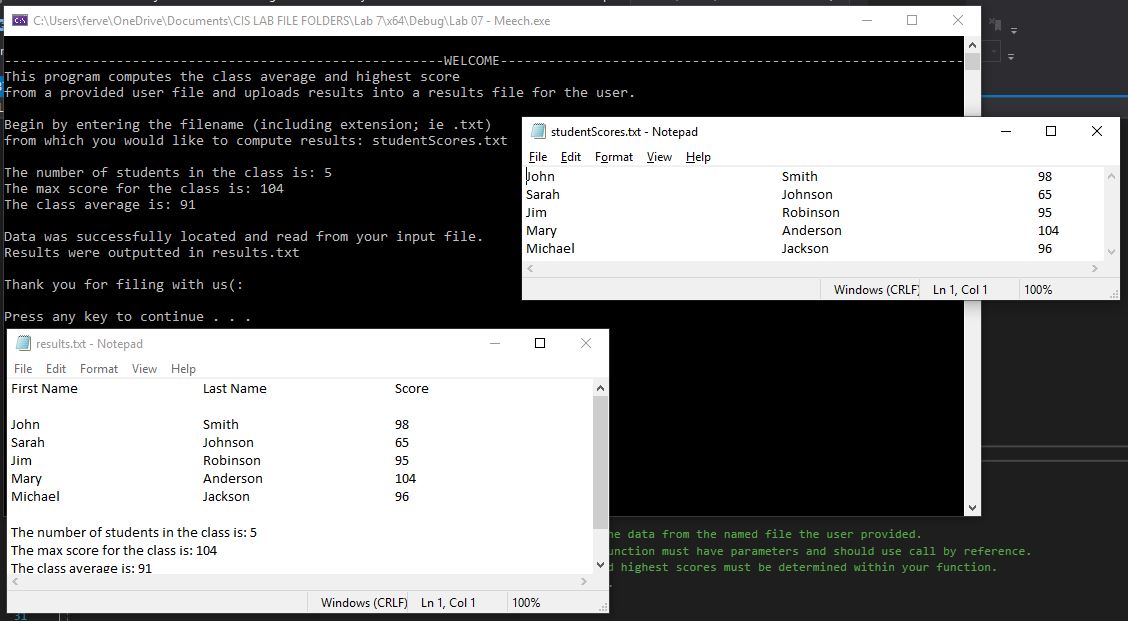
TEST 1



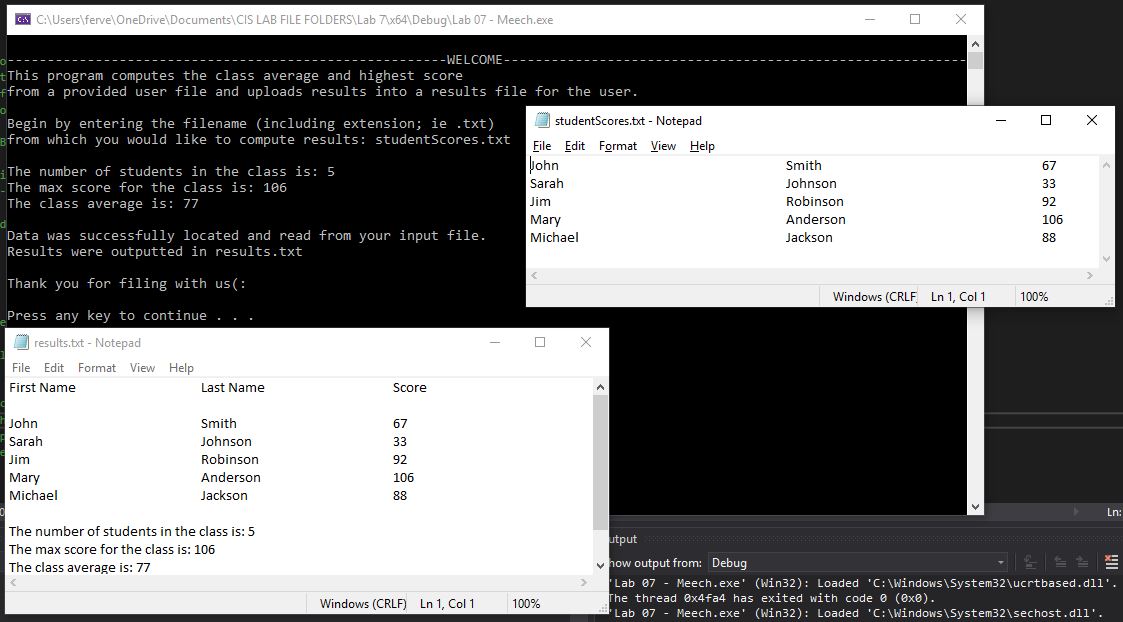
TEST 2



TEST 3



TEST 4



TEST5

