**ANKARA UNIVERSITY**

**COM101B**

**Summer Lab3 2018-19 Term**

**Date: 02/08/2019**

**Duration: 45 minutes**

This quiz performs several array manipulations on 5-by-4 array studentGrades. You should use a double-subscripted array to solve the lab3. Each row of the array represents a student and each column represents a grade on one of the four exams the students took during the semester. The array manipulations are performed by three goals. First, you should print the lowest grade of any student for the semester. Second, you should print the lowest grade of any student for the semester. Finally, you should print all student’s semester average grades. Average grade will be calculated by using given formula:

Average\_grade=0.1\*quiz1+0.1\*quiz2+0.3\*midterm+0.5\*final;

**Input format:**

**< student1\_quiz1>< student1\_quiz2>< student1\_midterm>< student1\_final>**

**< student2\_quiz1>< student2\_quiz2>< student2\_midterm>< student2\_final>**

**< student3\_quiz1>< student3\_quiz2>< student3\_midterm>< student3\_final>**

**< student4\_quiz1>< student4\_quiz2>< student4\_midterm>< student4\_final>**

**< student5\_quiz1>< student5\_quiz2>< student5\_midterm>< student5\_final>**

**For example:**

77 68 86 73

96 87 89 78

70 90 86 81

71 84 92 76

85 88 91 73

**Output Format:**

Lowest grade: 68

Highest grade: 96

The average grade for student 0 is 76.80

The average grade for student 1 is 84.00

The average grade for student 2 is 82.30

The average grade for student 3 is 81.10

The average grade for student 4 is 81.10

**Testing:**

The example input and output files are given. If your .exe file name is Lab3, you can run your program with following command. Later compare your myoutput.txt file with given output.txt.

**>./Lab3<input.txt>myoutput.txt**

Please make sure that the content of myoutput.txt is same as the content of output.txt

**Suggestion:**

Please test your program thoroughly before submission. Good luck 

SUBMISSION: **Upload your cpp file using the related link on Moodle as studentNumber.c.**