Assignment 1

Arrays

Introduction: In this assignment we are going to use one and two dimensional arrays and practice how to manipulate arrays.

You are required to create a one dimensional array of integers with 10 elements that each element represent the 3 digit student numbers. You need to get the student numbers from keyboard and save them in the array.

Once all student numbers are saved, you have print all of them. Secondly, you need to create a two dimensional array that has the marks for each student. Each student takes two quizzes, a mid-term and a final test, also attending the class is considered a method of assessment, so the two dimensional array must have 10 rows and 6 columns.

The last column would be for final mark. Your program has to get a student number and search for it in the one dimensional array, when and if it finds it, it should go to the same row on the second dimensional array and take 5 marks ( between 0 to 100%) and save it in the second array.

Each quiz is worth 10%, Attendance is also Worth 10%, midterm is 30% and final exam is Wroth 40%. Once you entered all numbers for quizzes, mid-term and final for each student, the computer should calculated the final mark and save it in the sixth column. Each time you enter the marks, you need to print the student number along with all marks and the final mark for the course.

Rubrics:

Creating and initializing the one dimensional array (20 marks)

Finding Students in one Dimensional Array (10 marks)

Initializing the two dimensional array (40 marks)

Calculating final marks (10 marks)

Printing (20 marks)

Good luck