Project #1 Nuralieva_Z-2435_project

In a program define a two-dimensional array which is composed of elements representing number of points received during a test from 5 exercises for n students, where n is given by the user (in a simplified version assume that you have only 10 students). Let index of row denote student number. Next

- generate all points for all students
- display all elements of the array defined in the program on the screen
- find averages of points from each exercise
- find a student who has the best score of points
- find a student that has the highest number of exercises with points greater than the value given by the user
- create a new two-dimensional array with those students who pass the test, student passes the test if it scores more than 49% of points, in the array store the students position in the array and students points from 5 exercises.

Write a main function to display all results on the screen.

Extension 1. In a program define the appropriate functions. Test the functions in a suitably defined main program.

Extension 2. In a program get from the user students' names. Modify, if necessary, students' names so that they consist only of uppercase letters. Use the names you entered where you find it appropriate.

Extension 3. Repeat the program for a new number of students and a new set of points as many times as the user wants.

Extension 4. Add to the program anything you find useful.