**ASSIGNMENT 1**

You are going to help a lecturer to calculate her student’s marks based on 5 quizzes. The total marks are 10 for each quiz. The marks are as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Students** | **Quiz 1** | **Quiz 2** | **Quiz 3** | **Quiz 4** | **Quiz 5** |
| Aisyah | 2 | 7 | 9 | 6 | 4 |
| Muaz | 6 | 1 | 8 | 9 | 4 |
| Maisarah | 4 | 3 | 7 | 2 | 9 |
| Firman | 9 | 9 | 0 | 3 | 1 |
| Umayr | 6 | 2 | 7 | 4 | 1 |

Your program should display the output which:

1. Calculate the average marks for each of the students.
2. Calculate the average marks for each of the quiz.
3. Find the student with the highest average marks.
4. Find the student with the lowest average marks.
5. Find the quiz with the highest average marks.
6. Find the quiz with the lowest average marks.
7. Based on the average score marks, sorting the student list which started with the lowest marks to the highest.

**Important:** All the above tasks MUST be doing with **user-defined function and 2-D array**. It means the program must include 4 functions i.e. function average\_marks(), function highest\_marks(), function lowest\_marks() and function sorting ().

**Instructions of submission:**

1. Please put your name, matric no. and the section at the comment space.
2. Submission only by the group leader.
3. Save the .cpp file with matric no. Separate your matric no. using underscore.
4. **Due date: 30th January midnight.**