



CS217 - Object-oriented Programming (OOP)

Assignment # 4

Max Points: 30

Due Date: Monday, May 18, 2020, 11 a.m.

Carefully read the following instructions!

- It should be clear that your assignment would not get any credit if the assignment is submitted after the due date. No assignment will be accepted after the due date.
- Strict action will be taken if submitted solution is copied from any other student.
- If you people find any mistake or confusion in assignment (Question statement), please consult before the deadline. After the deadline no queries will be entertained in this regard.
- For any query, feel free to email at: **basit.jasani@nu.edu.pk**
- **Submission:** Submission will only be accepted through SLATE. Submit all your codes in a single folder name it as your Student ID “KXX-XXXX”. The folder will contain one C++ program file as Q1.cpp with proper commenting of the code.

You have been asked by XYZ School to build a system that keep records and perform statistical analysis for a class of 20 students. The information of each student contains ID, Name, Sex, quizzes Scores (2 quizzes per semester), mid-term score and final score. The program will prompt the user to choose the operation of records from a menu as shown below:

1. Add student record
2. Delete a particular student record
3. Update a particular student record
4. Search a particular student by its name
5. View all student records
6. Calculate an average of student's scores in each evaluation
7. Display the highest score of each evaluation
8. Display the lowest score of each evaluation
9. Display total number of student's records
10. Sort the students based on final score in descending order and display them

***** Good Luck *****