Object Oriented Programming LAB – BSDSF22
(Morning and Afternoon)
Lab 05 – 06-10-2023

1. Create two classes named Department and Student. Department has its distinct string name, string chairman, and a distinct string ID as data members, while the Student has name, distinct roll number, semester, cgpa, and department id as data members. The classes must have properties (getters/setters), init, str, and other appropriate functions, if any.

2. As main functionality create list of 4 departments for the CS, DS, IT, and SE departments. Then create a few students type objects belonging to different departments using hard code data.

3. After that print department wise student list as follows:

```
Department: CS, Computer Science, Dr. Jodat Kamal
Roll No       Name                              Semester        CGPA
XXXXXXXX   Noman Fareed                         1               3.08
YYYYYYYY   Abdul Basit                          2               3.08
ZZZZZZZZ   Nawaz Bashir                         1               2.78

Department: IT, Information Technology, Dr. Abbas Ali
Roll No       Name                              Semester        CGPA
XXXXXXXX   Ahmad Khan                           1               3.38
YYYYYYYY   Abdul Quddoos                        2               3.38
ZZZZZZZZ   Nawaz Baig                           1               2.82
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4. Lastly, print similar list but for students with CGPA less than 1.70

********** The End **********