

LAB 2

In this lab, we want to build a simple system for managing information about students, courses, and grades through object-oriented programming principles.

The **Student** class contains details such as the student's name, age, and ID, while the **Course** class represents individual courses with attributes like course code and name. The **Grade** class handles grading information. It takes attendance marks(_/30), quiz marks(_/45), mid marks (_/75), and final marks (_/150).

The **display** methods within each class print the relevant information. The **displayGrades** in **Grade** class prints the letter grades (A/A+). In the **Main** class, you have to invoke the **display** methods of each class and print the details.

Grading system:

A+ : 80% and above

A : 75% to below 80%

A- : 70% to below 75%

B+ : 65% to below 70%

B : 60% to below 65%

B- : 55% to below 60%

C+ : 50% to below 55%

C : 45% to below 50%

D : 40% to below 45%

F : below 40%