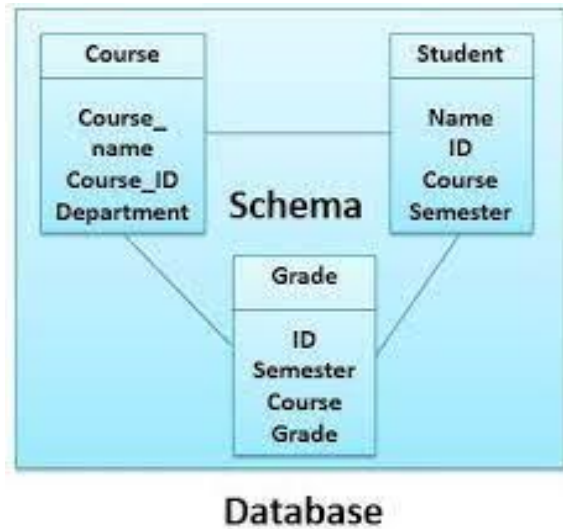# Week - 2 Problems

Consider the following database schema.

1. Create course and student tables by adding following constraints on the attributes:
    a. Primary keys on course_id and student_id attributes.
    b. Foreign key constraint on course_id attribute of student table.
    c. Unique on course name
    d. Not null on student_name
    e. Check constraint on grade attribute of grade table. Grade should be between 5 to 10.
    f. Set default value for department attribute of course table.

2. Write insert statements that violate the constraints specified in problem 1.

3. Write update statements that violate the constraints specified in problem 1.

4. Write delete statements that violate the constraints specified in problem 1.

5. Drop the constraints specified in problem 1 using alter table statements.

6. Add the constraints specified in problem 1 using alter table statements.