CSE311L Database Systems Lab

Total Mark: 30

All questions carry equal marks.

1. Write SQL Query for the following questions:
    a. Create a table as emp_review that has the following fields similar to Employees table. (Don't copy any rows from the employees table. Only copy the listed fields below)
        i. Employee_ID
        ii. First_Name
        iii. Last_Name
        iv. Email
        v. Salary
    b. Insert corresponding employee information from employees table who works under Manager having First Name Neena into emp_review.
    c. Insert a new row into emp_review of your choice.
    d. Merge employees and emp_review into emp_review based on Emploee_ID. Rows from the employees table are superseded by rows from the emp_review table.

2. Write the SQL Query for following scenarios on Employees table.
    a. Employees who work in the same department as Abel give them a 5% salary raise of their present salary, and assign them the same commission percentage as Abel.
    b. Add a column named Comment having default value NA that accepts a string having maximum character length 25.
    c. Modify the Comment column that accepts large texts.
    d. Rename Employees table as Emp_Changed.
    e. Drop Comment column from employees table.
    f. Delete all the tuples from the Employees table.

3. Write the SQL Query for following scenarios on the Departments table.
    a. Insert a new row of your choice into the Departments Table having location_id=3500.
    b. Question C will return an error while defining Location_ID as Foreign Key. Implement necessary SQL query so that this error can be resolved.

c. Define Location_ID in departments table as a Foreign Key where the referenced column is Location_ID in Locations Table. Any changes made in the parent table needs to be implemented automatically in the child table.