

## WEEK5 –

**SQL DML- Insert (using select) Update and delete, Transactions commit rollback and savepoint.**

### Problem Statement:

#### 1. SQL DML

**5\*3=15 marks**

- ✓ Create a temporary table that has the employee last name, project name, and hours per week for each employee working on a project. Insert the values into the table using insert into with select command.
- ✓ Update the location and controlling department number of project number 10 to 'Bellaire' and 5, respectively.
- ✓ Give all employees in the 'Research' department a 10% raise in salary.
- ✓ Delete employee record whose lname = 'Brown'
- ✓ Delete all the records of the employee who doesn't have dependent. (use sub query).

#### 2. Transactions

**3\*5 =15marks**

Create a transaction using begin and end commands consisting of the following sql statements.

- ✓ Create a transaction consisting of a create table and multiple insert statements. After End transaction the changes should be committed and can be checked using select statement.
- ✓ For the above transaction introduce a roll back after inserting 2 records. The create and insert should not be reflected in the database.
- ✓ For the first transaction introduce a save point after inserting 2 records and insert 2 more records and rollback to savepoint . They database should reflect only first 2 insert.