DBMS LAB WEEK5

ATUL ANURAG PES2UG19CS075 SECTION B

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

1. SQL DML

• 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.

```
Company=# \c
You are now connected to database "company" as user "atul".
Company=# create table temp_table(
Company(# Lname varchar(15) NOT NULL,
Company(# Lname varchar(15) NOT NULL,
Company(# Hours decimal(3,1) NOT NULL
Company(# Hours decimal(3,1) NOT NULL
Company=# insert into temp_table
Company=# insert into temp_table
Company=# select E.lname, P.Pname, M.Hours from Employee E, Project P, Works_On W
Company=# where E.San-W.Esan AND P.Pnamber=N.Pno;
INSERT 0 IS
Company=# select from temp_table;
Iname pname hours

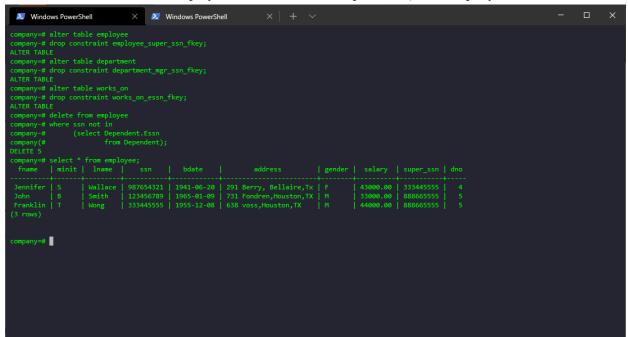
Saith ProductX | 32.5
Saith | ProductX | 32.5
Saith | ProductX | 20.0
English | ProductY | 7.5
Narayan | ProductY | 20.0
Rongish | ProductY | 20.0
Rong | ProductZ | 10.0
Rong | ProductZ | 10.0
Rong | ProductZ | 10.0
Rong | Reorganization | 10.0
Zelaya | Rewbenefits | 30.0
Zelaya | Computerization | 10.0
Jabbar | Computerization | 10.0
Rollace | Reorganization | 15.0
Rollace | Rollace | Rollace | Roll
```

• 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

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.