Week-5

Task-1

```
company=# CREATE TABLE Temp_13(Lname VARCHAR(15) NOT NULL, Pname VARCHAR(15) NOT NULL, Hours DECIMAL(3,1) NOT NULL);
CREATE TABLE
company=# INSERT INTO Temp_13
company=# SELECT Lname,Pname, Hours from WORKS_ON AS w, EMPLOYEE as e, PROJECT as p where e.ssn=w.essn and p.pnumber=w.pno;
INSERT 0 15
```

```
company=# UPDATE PROJECT SET Plocation='Bellaire', Dnum=5 WHERE PROJECT.Pnumber=10;
UPDATE 1
company=# UPDATE EMPLOYEE SET Salary=Salary*1.1 FROM DEPARTMENT WHERE DEPARTMENT.Dname='Research' AND EMPLOYEE.Dno=DEPARTMENT.Dnumber;
UPDATE 4
company=# DELETE FROM EMPLOYEE WHERE EMPLOYEE.Lname='Brown';
DELETE 0
company=# ALTER TABLE EMPLOYEE DROP CONSTRAINT employee_super_ssn_fkey;
ALTER TABLE
company=# ALTER TABLE DEPARTMENT DROP CONSTRAINT employee_super_ssn_fkey;
ERROR:  constraint "employee_super_ssn_fkey" of relation "department" does not exist
company=# ALTER TABLE DEPARTMENT DROP CONSTRAINT employee_super_ssn_fkey;
ERROR:  constraint "employee_super_ssn_fkey" of relation "department" does not exist
company=# DELETE FROM EMPLOYEE WHERE SSN NOT IN (SELECT ESSN FROM DEPENDENT) ;
ERROR:  update or delete on table "employee" violates foreign key constraint "department_mgr_ssn_fkey" on table "department"
DETAIL:  Key (ssn)=(888665555) is still referenced from table "department".
company=#
```

Task-2

```
company=# BEGIN;
BEGIN
company=*# CREATE TABLE X(Name VARCHAR(15),id Integer);
CREATE TABLE
company=*# INSERT INTO X VALUES('abc',1);INSERT INTO X VALUES('efg',2);INSERT INTO X VALUES('xyz',3);INSERT INTO X VALUES('uvw',4);INSERT INTO X VALUES('mno',5);
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
company=*# COMMIT;SELECT * FROM X;
COMMIT
 name | id
------+----
 abc  |  1
 efg  |  2
 xyz  |  3
 uvw  |  4
 mno  |  5
(5 rows)
```

```
company=# BEGIN;CREATE TABLE Y(Name VARCHAR(15),id Integer);INSERT INTO Y VALUES('abc',1);INSERT INTO Y VALUES('efg',2);INSERT INTO Y VALUES('xyz',3);INSERT INTO Y VALUES('uvw',4);INSERT INTO Y VALUES('mno',5);ROLLBACK;SELECT * FROM Y;
BEGIN
CREATE TABLE
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
ROLLBACK
ERROR:  relation "y" does not exist
LINE 1: SELECT * FROM Y;
                      ^
company=#
```

```
company=# BEGIN;
BEGIN
company=*# CREATE TABLE Z(Name VARCHAR(15),id Integer);INSERT INTO Z VALUES('abc',1);INSERT INTO Z VALUES('efg',2);
CREATE TABLE
INSERT 0 1
INSERT 0 1
company=*# SAVEPOINT S1;
SAVEPOINT
company=*# INSERT INTO Z VALUES('xyz',3);INSERT INTO Z VALUES('uvw',4);
INSERT 0 1
INSERT 0 1
company=*# ROLLBACK TO SAVEPOINT S1;
ROLLBACK
company=*# COMMIT;
COMMIT
company=# SELECT * FROM Z;
 name | id
------+----
 abc  |  1
 efg  |  2
(2 rows)
```