

DBMS LAB Week 4

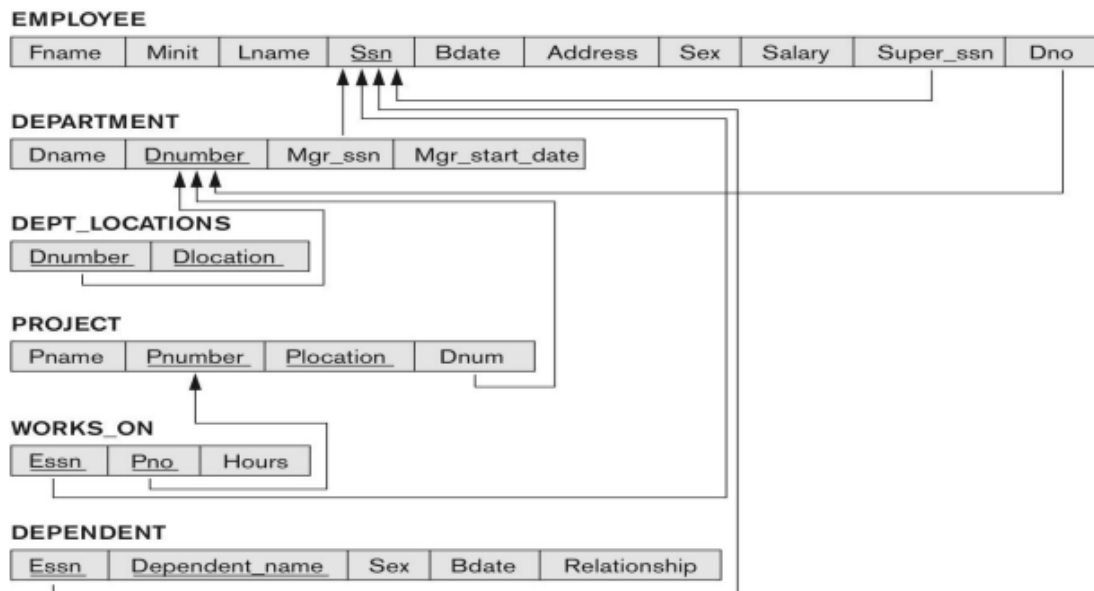
Name : Abhishek Aditya BS

SRN : PES1U19CS019

Section : A

Q1. Create tables for the below mentioned Relational design and add check, default, not null and unique constraints.

- PK and FK constraints for all applicable Relations
- For Fname , Lname in employee add not null constraints and relationship in dependent should be not null and by default add parent as the relationship value.
- Add default constraint for project name
- Dname and dnumber should be unique
- Add check constraints to BDATE in employee and dependent table (born before 1985)



--> Creating Database

```
postgres=# create database pes1ug19cs019_lab_4;
CREATE DATABASE
postgres=# \c pes1ug19cs019_lab_4
You are now connected to database "pes1ug19cs019_lab_4" as user "postgres".
pes1ug19cs019_lab_4=#
```

---> Creating the table employee with primary key, not null, default, unique, check constraints

```
pes1ug19cs019_lab_4=# create table employee_019(fname varchar(30) not null, minit varchar(30),  
lname varchar(30) not null, ssn varchar(30) primary key, bdate date check(bdate < '1985-01-01')  
, address varchar(30), sex char(20), salary int, super_ssn varchar(30), dno int);  
CREATE TABLE  
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# create table department_019(dname varchar(30) unique, dnumber int unique  
primary key, mgr_ssn varchar(30), mgr_start_date date);  
CREATE TABLE  
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# create table dept_locations_019(dnumber int, dlocation varchar(30), prima  
ry key(dnumber, dlocation));  
CREATE TABLE  
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# create table project_019(pname varchar(30) default 'PES1UG19CS019', pnum  
ber int, plocation varchar(30), dnum int, primary key(pnumber, plocation));  
CREATE TABLE  
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# create table works_on_019(essn varchar(30), pno int, hours int, primary ke  
y(essn, pno));  
CREATE TABLE  
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# create table dependent_019(essn varchar(30), dependent_name char(30), sex  
char(20), bdate date check(bdate < '1985-01-01'), relationship varchar(30), primary key(essn, de  
pendent_name));  
CREATE TABLE  
pes1ug19cs019_lab_4=#
```

---> Adding foreign key constraint for the table employee

```
pes1ug19cs019_lab_4=# alter table employee_019 add constraint fk_employee_1 foreign key (supe  
r_ssn) references employee_019(ssn);  
ALTER TABLE
```

```
pes1ug19cs019_lab_4=# alter table employee_019 add constraint fk_employee_2 foreign key (dno)  
references department_019(dnumber);  
ALTER TABLE  
pes1ug19cs019_lab_4=#
```

```

peslug19cs019_lab_4=# \d employee_019
Table "public.employee_019"
  Column      |          Type          | Collation | Nullable | Default
-----+-----+-----+-----+-----
fname         | character varying(30) |           | not null |
minit         | character varying(30) |           |          |
lname         | character varying(30) |           | not null |
ssn           | character varying(30) |           | not null |
bdate         | date                  |           |          |
address       | character varying(30) |           |          |
sex           | character(20)         |           |          |
salary        | integer               |           |          |
super_ssn     | character varying(30) |           |          |
dno           | integer               |           |          |
Indexes:
    "employee_019_pkey" PRIMARY KEY, btree (ssn)
Check constraints:
    "employee_019_bdate_check" CHECK (bdate < '1985-01-01'::date)
Foreign-key constraints:
    "fk_employee_1" FOREIGN KEY (super_ssn) REFERENCES employee_019(ssn)
    "fk_employee_2" FOREIGN KEY (dno) REFERENCES department_019(dnumber)
Referenced by:
    TABLE "employee_019" CONSTRAINT "fk_employee_1" FOREIGN KEY (super_ssn) REFERENCES employ
ee_019(ssn)
peslug19cs019_lab_4=#

```

---> Adding foreign key constraint for the table department

```

peslug19cs019_lab_4=# alter table department_019 add constraint fk_department_1 foreign key (
mgr_ssn) references employee_019(ssn);
ALTER TABLE

```

```

peslug19cs019_lab_4=# \d department_019
Table "public.department_019"
  Column      |          Type          | Collation | Nullable | Default
-----+-----+-----+-----+-----
dname         | character varying(30) |           |          |
dnumber       | integer               |           | not null |
mgr_ssn       | character varying(30) |           |          |
mgr_start_date | date                  |           |          |
Indexes:
    "department_019_pkey" PRIMARY KEY, btree (dnumber)
    "department_019_dname_key" UNIQUE CONSTRAINT, btree (dname)
Foreign-key constraints:
    "fk_department_1" FOREIGN KEY (mgr_ssn) REFERENCES employee_019(ssn)
Referenced by:
    TABLE "employee_019" CONSTRAINT "fk_employee_2" FOREIGN KEY (dno) REFERENCES department_0
19(dnumber)
peslug19cs019_lab_4=#

```

---> Adding foreign key constraint for the table dept_locations

```

peslug19cs019_lab_4=# alter table dept_locations_019 add constraint fk_dept_locations_1 forei
gn key (dnumber) references department_019(dnumber);
ALTER TABLE
peslug19cs019_lab_4=#

```

```

peslug19cs019_lab_4=# \d dept_locations_019
Table "public.dept_locations_019"
  Column      |      Type      | Collation | Nullable | Default
-----+-----+-----+-----+-----
 dnumber      | integer         |           | not null |
 dlocation    | character varying(30) |           | not null |
Indexes:
    "dept_locations_019_pkey" PRIMARY KEY, btree (dnumber, dlocation)
Foreign-key constraints:
    "fk_dept_locations_1" FOREIGN KEY (dnumber) REFERENCES department_019(dnumber)

peslug19cs019_lab_4=#

```

---> Adding foreign key constraint for the table project

```

peslug19cs019_lab_4=# alter table project_019 add constraint fk_project_1 foreign key (dnum)
references department_019(dnumber);
ALTER TABLE
peslug19cs019_lab_4=#

```

```

Table "public.project_019"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 pname        | character varying(30) |           |           | 'PES1UG19CS019'::character varying
 pnumber      | integer         |           | not null |
 plocation    | character varying(30) |           | not null |
 dnum         | integer         |           |           |
Indexes:
    "project_019_pkey" PRIMARY KEY, btree (pnumber, plocation)
Foreign-key constraints:
    "fk_project_1" FOREIGN KEY (dnum) REFERENCES department_019(dnumber)

```

---> Adding foreign key constraint for the table works_on

```

peslug19cs019_lab_4=# alter table works_on_019 add constraint fk_works_on_1 foreign key (essn
) references employee_019(ssn);
ALTER TABLE

```

```

peslug19cs019_lab_4=# alter table works_on_019 add constraint fk_works_on_2 foreign key (pno)
references project_019(pnumber);
ALTER TABLE
peslug19cs019_lab_4=#

```

```

peslug19cs019_lab_4=# \d works_on_019
Table "public.works_on_019"
  Column      |      Type      | Collation | Nullable | Default
-----+-----+-----+-----+-----
 essn         | character varying(30) |           | not null |
 pno          | integer         |           | not null |
 hours        | integer         |           |           |
Indexes:
    "works_on_019_pkey" PRIMARY KEY, btree (essn, pno)
Foreign-key constraints:
    "fk_works_on_1" FOREIGN KEY (essn) REFERENCES employee_019(ssn)
    "fk_works_on_2" FOREIGN KEY (pno) REFERENCES project_019(pnumber)

peslug19cs019_lab_4=#

```

---> Adding foreign key constraint for the table dependent

```
pes1ug19cs019_lab_4=# alter table dependent_019 add constraint fk_dependent_1 foreign key (essn) references employee_019(ssn);
ALTER TABLE
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# \d dependent_019
Table "public.dependent_019"
  Column      |          Type          | Collation | Nullable | Default
-----+-----+-----+-----+-----
 essn         | character varying(30) |           | not null |
dependent_name | character(30)         |           | not null |
 sex          | character(20)         |           |          |
 bdate        | date                  |           |          |
 relationship  | character varying(30) |           |          |
Indexes:
    "dependent_019_pkey" PRIMARY KEY, btree (essn, dependent_name)
Check constraints:
    "dependent_019_bdate_check" CHECK (bdate < '1985-01-01'::date)
Foreign-key constraints:
    "fk_dependent_1" FOREIGN KEY (essn) REFERENCES employee_019(ssn)
```

---> Inserting values into the table employee

```
pes1ug19cs019_lab_4=# insert into employee_019 values('abhishek','aditya','bs','cs019','1972-09-25','hanumanthanagar','male',250000,'cs019',null);
INSERT 0 1
```

```
pes1ug19cs019_lab_4=# insert into employee_019 values('supreeth','G','kurpad','cs520','1954-05-07','ashoknagar','female',50000,'cs520',null);
INSERT 0 1
```

```
pes1ug19cs019_lab_4=# insert into employee_019 values('vishal',null,'ramesh','cs571','1982-07-17','jaynagar','male',500000,'cs571',null);
INSERT 0 1
```

fname	minit	lname	ssn	bdate	address	sex	salary	super_ssn	dno
abhishek	aditya	bs	cs019	1972-09-25	hanumanthanagar	male	250000	cs019	
supreeth	G	kurpad	cs520	1954-05-07	ashoknagar	female	50000	cs520	
vishal		ramesh	cs571	1982-07-17	jaynagar	male	500000	cs571	

(3 rows)

---> Inserting values into the table department

```
pes1ug19cs019_lab_4=# insert into department_019 values('mechanical',10,'cs019','1975-05-23');
INSERT 0 1
pes1ug19cs019_lab_4=# insert into department_019 values('electrical',20,'cs571','1980-04-20');
INSERT 0 1
pes1ug19cs019_lab_4=# insert into department_019 values('civil',30,'cs520','1989-12-02');
INSERT 0 1
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# SELECT * FROM department_019;
  dname      | dnumber | mgr_ssn | mgr_start_date
-----+-----+-----+-----
mechanical  |      10 | cs019   | 1975-05-23
electrical  |      20 | cs571   | 1980-04-20
civil       |      30 | cs520   | 1989-12-02
(3 rows)
```

---> Inserting values into the table dept_locations

```
pes1ug19cs019_lab_4=# insert into dept_locations_019 values(10,'bihar');
INSERT 0 1
pes1ug19cs019_lab_4=# insert into dept_locations_019 values(20,'west bengal');
INSERT 0 1
pes1ug19cs019_lab_4=# insert into dept_locations_019 values(30,'patna');
INSERT 0 1
pes1ug19cs019_lab_4=# SELECT * FROM dept_locations_019;
  dnumber | dlocation
-----+-----
       10 | bihar
       20 | west bengal
       30 | patna
(3 rows)

pes1ug19cs019_lab_4=#
```

---> Inserting values into the table project

```
pes1ug19cs019_lab_4=# insert into project_019 values('java_scheduling',100,'bangalore',10),('
python_automation',200,'kerala',20),('Cdn',300,'Pes university',30);
INSERT 0 3
pes1ug19cs019_lab_4=# SELECT * FROM project_019;
  pname          | pnumber | plocation | dnum
-----+-----+-----+-----
java_scheduling |      100 | bangalore |    10
python_automation |      200 | kerala    |    20
Cdn              |      300 | Pes university |    30
(3 rows)

pes1ug19cs019_lab_4=#
```

---> Inserting values into the table works_on

```
pes1ug19cs019_lab_4=# insert into works_on_019 values('cs019',300,27),('cs520',200,12),('cs57
1',100,10);
INSERT 0 3
pes1ug19cs019_lab_4=# SELECT * FROM works_on_019;
  essn | pno | hours
-----+-----+-----
cs019 | 300 |    27
cs520 | 200 |    12
cs571 | 100 |    10
(3 rows)
```

---> Inserting values into the table dependent

```
pes1ug19cs019_lab_4=# insert into dependent_019 values('cs019','ben','male','1965-08-05','friend'),('cs571','karen','female','1975-03-23','wife'),('cs520','sarita','female','1984-09-18','mother');
INSERT 0 3
pes1ug19cs019_lab_4=# SELECT * FROM dependent_019;
```

essn	dependent_name	sex	bdate	relationship
cs019	ben	male	1965-08-05	friend
cs571	karen	female	1975-03-23	wife
cs520	sarita	female	1984-09-18	mother

(3 rows)

```
pes1ug19cs019_lab_4=#
```

---> updating null values in table employee

```
pes1ug19cs019_lab_4=# update employee_019 set dno = 10 where ssn='cs019';
UPDATE 1
pes1ug19cs019_lab_4=# update employee_019 set dno = 20 where ssn='cs520';
UPDATE 1
pes1ug19cs019_lab_4=# update employee_019 set dno = 30 where ssn='cs571';
UPDATE 1
```

```
pes1ug19cs019_lab_4=# SELECT * FROM employee_019;
```

fname	minit	lname	ssn	bdate	address	sex	salary	super_ssn	dno
abhishek	aditya	bs	cs019	1972-09-25	hanumanthanagar	male	250000	cs019	10
supreeth	G	kurpad	cs520	1954-05-07	ashoknagar	female	50000	cs520	20
vishal		ramesh	cs571	1982-07-17	jaynagar	male	500000	cs571	30

(3 rows)

Q2. Perform the following operations on the table

- Drop and truncate
- Create views and Drop views
- Create user and grant and revoke privileges on the table
 - Grant select for emp table for user 1
 - Grant alter privileges on the department table for user 2.
 - Grant all privileges on all the table for user 3
 - Grant alter ,delete, update on dependent and project table for user4
- Using alter table commands add column , delete column

---> Creating Views

```
pes1ug19cs019_lab_4=# create view high_salary as select * from employee_019 where salary > 10000;  
CREATE VIEW
```

```
pes1ug19cs019_lab_4=# select * from high_salary;  
  fname | minit | lname | ssn | bdate | address | sex | salary | super_ssn | dno  
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----  
 abhishek | aditya | bs | cs019 | 1972-09-25 | hanumanthanagar | male | 250000 | cs019 | 10  
supreeth | G | kurpad | cs520 | 1954-05-07 | ashoknagar | female | 50000 | cs520 | 20  
vishal | | ramesh | cs571 | 1982-07-17 | jaynagar | male | 500000 | cs571 | 30  
(3 rows)
```

```
pes1ug19cs019_lab_4=# create view dept as select * from department_019 where dnumber >= 20;  
CREATE VIEW  
pes1ug19cs019_lab_4=# select * from dept;  
  dname | dnumber | mgr_ssn | mgr_start_date  
-----+-----+-----+-----  
 electrical | 20 | cs571 | 1980-04-20  
 civil | 30 | cs520 | 1989-12-02  
(2 rows)
```

---> Dropping Views

```
pes1ug19cs019_lab_4=# drop view dept;  
DROP VIEW  
pes1ug19cs019_lab_4=# drop view high_salary;  
DROP VIEW  
pes1ug19cs019_lab_4=#
```

---> Creating users and granting privileges

----- USER 1 -----

```
pes1ug19cs019_lab_4=# create user u1 with password 'user1' createdb;  
CREATE ROLE
```

```
pes1ug19cs019_lab_4=# grant select on employee_019 to u1;  
GRANT  
pes1ug19cs019_lab_4=#
```



```
(base) abhishek_aditya_bs@pop-os:~$ psql -h localhost -d peslug19cs019_lab_4 -U u1 -p 5432
Password for user u1:
psql (13.4 (Ubuntu 13.4-0ubuntu0.21.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

peslug19cs019_lab_4=> select * from employee_019;
   fname |  minit | lname |  ssn |   bdate   | address | sex | salary | super_ssn | dno
-----+-----+-----+-----+-----+-----+---+-----+-----+-----
 abhishek | aditya | bs    | cs019 | 1972-09-25 | hanumanthanagar | male | 250000 | cs019 | 10
supreeth | G      | kurpad | cs520 | 1954-05-07 | ashoknagar | female | 50000 | cs520 | 20
vishal |      | ramesh | cs571 | 1982-07-17 | jaynagar | male | 500000 | cs571 | 30
(3 rows)

peslug19cs019_lab_4=> █
```

----- USER 2 -----

```
peslug19cs019_lab_4=# create user u2 with password 'user2' createdb;
CREATE ROLE
```

```
peslug19cs019_lab_4=# grant insert on department_019 to u2;
GRANT
peslug19cs019_lab_4=# █
```

```
(base) abhishek_aditya_bs@pop-os:~$ psql -h localhost -d peslug19cs019_lab_4 -U u2 -p 5432
Password for user u2:
psql (13.4 (Ubuntu 13.4-0ubuntu0.21.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

peslug19cs019_lab_4=> insert into department_019 values('computer science',40,'cs019','1999-05-04');
INSERT 0 1
```

```
peslug19cs019_lab_4=# select * from department_019;
      dname      | dnumber | mgr_ssn | mgr_start_date
-----+-----+-----+-----
 mechanical      |      10 | cs019   | 1975-05-23
 electrical      |      20 | cs571   | 1980-04-20
 civil           |      30 | cs520   | 1989-12-02
 computer science |      40 | cs019   | 1999-05-04
(4 rows)
```

----- USER 3 -----

```
peslug19cs019_lab_4=# create user u3 with password 'user3' createdb;
CREATE ROLE
```

```
peslug19cs019_lab_4=# GRANT ALL PRIVILEGES ON ALL TABLES IN SCHEMA public TO u3;
GRANT
```

```
(base) abhishek_aditya_bs@pop-os:~$ psql -h localhost -d peslug19cs019_lab_4 -U u3 -p 5432
Password for user u3:
psql (13.4 (Ubuntu 13.4-0ubuntu0.21.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

peslug19cs019_lab_4=> select * from works_on_019;
 essn | pno | hours
-----+-----
cs019 | 300 |    27
cs520 | 200 |    12
cs571 | 100 |    10
(3 rows)

peslug19cs019_lab_4=> select * from department_019;
  dname | dnumber | mgr_ssn | mgr_start_date
-----+-----
mechanical |    10 | cs019 | 1975-05-23
electrical |    20 | cs571 | 1980-04-20
civil |    30 | cs520 | 1989-12-02
(3 rows)

peslug19cs019_lab_4=> █
```

----- USER 4 -----

```
peslug19cs019_lab_4=# create user u4 with password 'user4' createdb;
CREATE ROLE
peslug19cs019_lab_4=# █
```

```
peslug19cs019_lab_4=# grant select,insert,update,delete on dependent_019 to u4;
GRANT
peslug19cs019_lab_4=# grant select,insert,update,delete on project_019 to u4;
GRANT
peslug19cs019_lab_4=# █
```

```
(base) abhishek_aditya_bs@pop-os:~$ psql -h localhost -d peslug19cs019_lab_4 -U u4 -p 5432
Password for user u4:
psql (13.4 (Ubuntu 13.4-0ubuntu0.21.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

peslug19cs019_lab_4=> insert into dependent_019 values('cs019','Raj','Male','1972-07-03','gaurdian');
peslug19cs019_lab_4=> insert into project_019 values('GEMM matrix calculation','400','tamil nadu',40);
INSERT 0 1
```

```
peslug19cs019_lab_4=# select * from dependent_019;
 essn | dependent_name | sex | bdate | relationship
-----+-----
cs019 | ben | male | 1965-08-05 | friend
cs571 | karen | female | 1975-03-23 | wife
cs520 | sarita | female | 1984-09-18 | mother
cs019 | Raj | Male | 1972-07-03 | gaurdian
(4 rows)

peslug19cs019_lab_4=# select * from project_019;
 pname | pnumber | plocation | dnum
-----+-----
java_scheduling | 100 | bangalore | 10
python_automation | 200 | kerala | 20
Cdn | 300 | Pes university | 30
GEMM matrix calculation | 400 | tamil nadu | 40
(4 rows)
```

```
peslug19cs019_lab_4=> update project_019 set pname='java threads scheduling' where pnumber='100';
UPDATE 1
peslug19cs019_lab_4=> update dependent_019 set relationship='father' where dependent_name='Raj';
UPDATE 1
peslug19cs019_lab_4=> █
```

```
peslug19cs019_lab_4=> delete from project_019 where pnumber='400';
DELETE 1
peslug19cs019_lab_4=> delete from dependent_019 where dependent_name='Raj';
DELETE 1
peslug19cs019_lab_4=> █
```

```
peslug19cs019_lab_4=# select * from dependent_019;
+-----+-----+-----+-----+
| essn | dependent_name | sex | bdate | relationship |
+-----+-----+-----+-----+
| cs019 | ben | male | 1965-08-05 | friend |
| cs571 | karen | female | 1975-03-23 | wife |
| cs520 | sarita | female | 1984-09-18 | mother |
(3 rows)

peslug19cs019_lab_4=# select * from project_019;
+-----+-----+-----+-----+
| pname | pnumber | plocation | dnum |
+-----+-----+-----+-----+
| python_automation | 200 | kerala | 20 |
| Cdnn | 300 | Pes university | 30 |
| java threads scheduling | 100 | bangalore | 10 |
(3 rows)
```

---> Revoking privileges to users

```
peslug19cs019_lab_4=# revoke select,insert,update,delete on dependent_019 from u4;
REVOKE
peslug19cs019_lab_4=# revoke insert on department_019 from u2;
REVOKE
peslug19cs019_lab_4=# revoke select,insert,update,delete on project_019 from u4;
REVOKE
peslug19cs019_lab_4=# █
```

```
(base) abhishek_aditya_bs@pop-os:~$ psql -h localhost -d peslug19cs019_lab_4 -U u2 -p 5432
Password for user u2:
psql (13.4 (Ubuntu 13.4-0ubuntu0.21.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

peslug19cs019_lab_4=> insert into project_019 values('GEMM matrix calculation','400','tamil nadu',40);
ERROR: permission denied for table project_019
peslug19cs019_lab_4=> █
```

```
(base) abhishek_aditya_bs@pop-os:~$ psql -h localhost -d peslug19cs019_lab_4 -U u4 -p 5432
Password for user u4:
psql (13.4 (Ubuntu 13.4-0ubuntu0.21.04.1))
SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)
Type "help" for help.

peslug19cs019_lab_4=> select * from dependent_019;
ERROR: permission denied for table dependent_019
peslug19cs019_lab_4=> █
```

---> Adding columns to the table

```
peslug19cs019_lab_4=# alter table project_019 add column language varchar(10);
ALTER TABLE
```

```
pes1ug19cs019_lab_4=# update project_019 set language='python' where pname='python_automation';
UPDATE 1
```

```
pes1ug19cs019_lab_4=# update project_019 set language='C' where pname='Cdn';
UPDATE 1
pes1ug19cs019_lab_4=# update project_019 set language='java' where pname='java threads scheduling';
UPDATE 1
pes1ug19cs019_lab_4=#
```

```
pes1ug19cs019_lab_4=# select * from project_019;
      pname      | pnumber | plocation | dnum | language
-----+-----+-----+-----+-----
python_automation |      200 | kerala    |    20 | python
Cdn              |      300 | Pes university |    30 | C
java threads scheduling |    100 | bangalore |    10 | java
(3 rows)
```

--> Deleting columns from the table

```
pes1ug19cs019_lab_4=# alter table project_019 drop column language;
ALTER TABLE
```

```
pes1ug19cs019_lab_4=# select * from project_019;
      pname      | pnumber | plocation | dnum
-----+-----+-----+-----
python_automation |      200 | kerala    |    20
Cdn              |      300 | Pes university |    30
java threads scheduling |    100 | bangalore |    10
(3 rows)
```

--> Truncating the table

```
pes1ug19cs019_lab_4=# truncate table dependent_019;
TRUNCATE TABLE
pes1ug19cs019_lab_4=# select * from dependent_019;
      essn | dependent_name | sex | bdate | relationship
-----+-----+-----+-----+-----
(0 rows)

pes1ug19cs019_lab_4=#
```

--> Dropping the table

```
pes1ug19cs019_lab_4=# drop table dependent_019;
DROP TABLE
pes1ug19cs019_lab_4=# drop table works_on_019;
DROP TABLE
```