-- create a table

CREATE TABLE teaches (

t\_id INT,

course\_id INT,

sec\_id INT,

semester INT,

year INT

);

CREATE TABLE section (

course\_id INT,

sec\_id INT,

semester INT,

year INT,

building varchar(20),

room\_no INT

);

CREATE TABLE instructor (

t\_id INT,

name varchar(20),

dept\_name varchar(20),

salary INT

);

CREATE TABLE course (

course\_id INT,

title varchar(20),

dept\_name varchar(20),

credits INT

);

-- insert some values

INSERT INTO teaches VALUES (1, 123, 456, 7, 4);

INSERT INTO teaches VALUES (2, 789, 012, 5, 3);

INSERT INTO teaches VALUES (3, 101, 567, 4, 2);

INSERT INTO section VALUES (123, 456, 7, 4, "building A", 5);

INSERT INTO section VALUES (789, 012, 5, 3, "building B", 6);

INSERT INTO section VALUES (101, 567, 4, 2, "building B", 9);

INSERT INTO instructor VALUES (1, "Riya", "Computer", 50000);

INSERT INTO instructor VALUES (2, "Sameer", "Chemical", 100000);

INSERT INTO instructor VALUES (1, "Amol", "Computer", 70000);

INSERT INTO instructor VALUES (3, "Priya", "Mechanical", 40000);

INSERT INTO course VALUES (123, "DBMS", "Computer", 4);

INSERT INTO course VALUES (101, "Mechanics", "Mechanical", 4);

INSERT INTO course VALUES (789, "Chemistry", "Chemical", 3);

-- fetch some values

SELECT name FROM instructor WHERE salary between 30000 and 60000 order by salary desc;

SELECT avg(salary), min(salary), max(salary) from instructor group by dept\_name;

SELECT name FROM instructor WHERE salary > 60000;

create table Employee (

Emp\_ID int primary key,

Emp\_Name varchar(32),

Age int,

Department varchar(32),

Salary int,

Experience varchar(32),

AreaOfExpertise varchar(32)

);

INSERT INTO Employee(Emp\_ID, Emp\_Name, Age, Department, Salary, Experience, AreaOfExpertise) VALUES(1, 'Ryan', 25, "Development", 50000, "1 year", "AI");

INSERT INTO Employee(Emp\_ID, Emp\_Name, Age, Department, Salary, Experience, AreaOfExpertise) VALUES(2, 'Joanna', 23, "Support", 30000, "1 year", "Server Maintenance");

INSERT INTO Employee(Emp\_ID, Emp\_Name, Age, Department, Salary, Experience, AreaOfExpertise) VALUES(3, 'John', 30, "Support", 80000, "10 year", "Server Administration");

select \* from Employee;

create view Emp\_Detail as

select Emp\_ID, Emp\_Name, Age, Department, Experience

from Employee;

select \* from Emp\_Detail;

create sequence SEQ

start with 1

increment by 1

minvalue 1

maxvalue 5

cycle;

create index Emp\_Index

on Employee(Emp\_ID);

create synonym EMP for Employee(Emp\_ID, Emp\_Name, Age, Department, Salary, Experience, AreaOfExpertise);

select \* from EMP;

CREATE TABLE Student(

StudRoll number(10),

StudAtt number(10),

Status varchar(20)

);

insert into Student values (1,75,'D');

insert into Student values (2,46,'D');

insert into Student values (3,95,'D');

insert into Student values (4,78,'D');

select \* from Student;

DECLARE

mroll number(10);

matt number(10);

BEGIN

mroll:=&mroll;

select StudAtt into matt from Student where StudRoll=mroll;

if matt < 75 then

dbms\_output.put\_line(mroll||'Term Not Granted');

update Student set Status='D' where StudRoll=mroll;

else

dbms\_output.put\_line(mroll||'Term Granted');

update Student set Status='ND' where StudRoll=mroll;

end if;

EXCEPTION

when no\_data\_found then

dbms\_output.put\_line(mroll||'Not Found');

END;

select \* from Student;