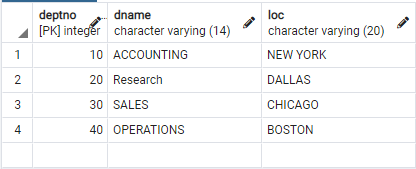
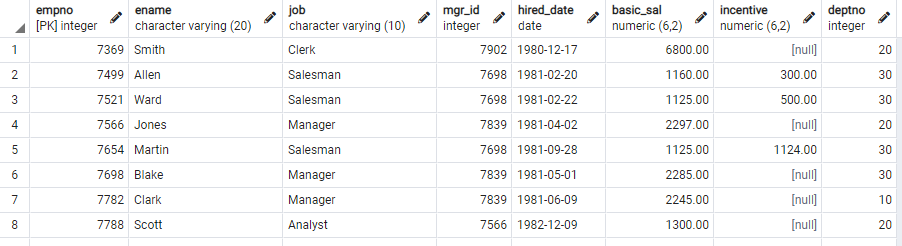
-22AIE303-

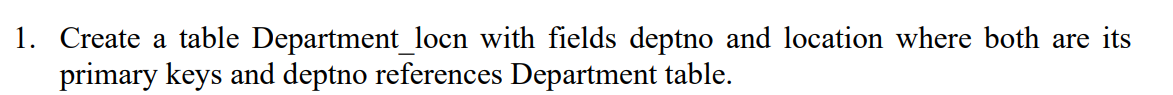
**Name: Girish S Roll No: AM.EN.U4AIE22044**

DATABASE MANAGEMENT SYSTEMs

# Labsheet 3

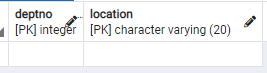






create table Department\_locn (deptno integer references department(deptno), location varchar(20), primary key(deptno, location));

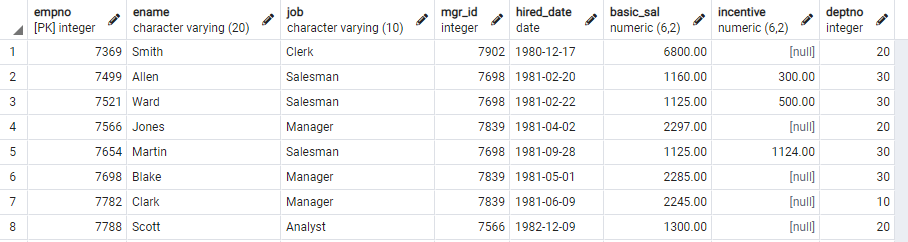
select \* from Department\_locn;





update employee set empno= 5 where ename = 'Meena';

select \* from employee;





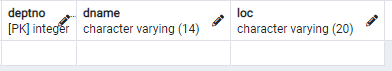
alter table employee drop column hired\_date;

select \* from employee;





select \* from Department where deptno in (1, 4, 8);



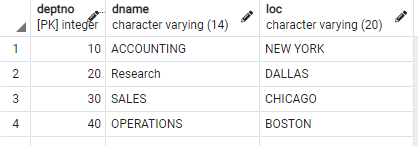


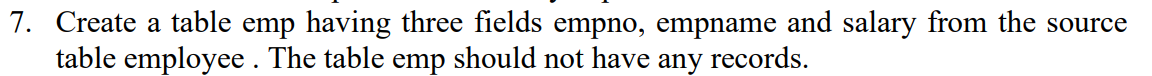
select distinct basic\_sal from employee;





select \* from Department order by deptno;





create table emp as select empno, ename, basic\_sal from employee with no data;

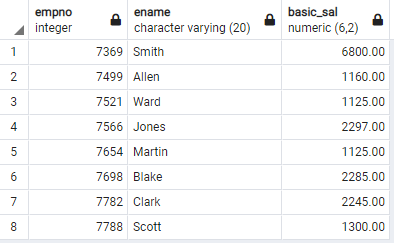
select \* from emp;





Insert into emp select empno, ename, basic\_sal from employee;

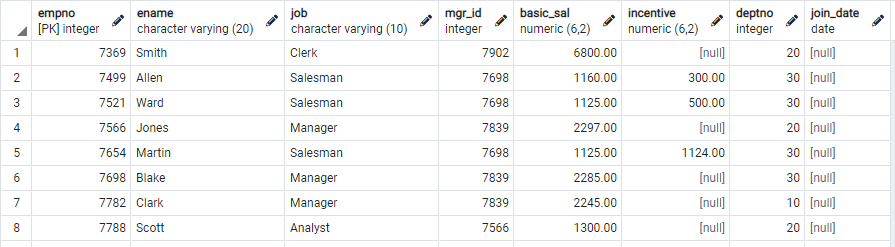
select \* from emp;





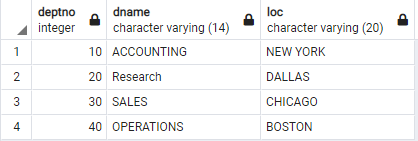
alter table employee add column join\_date date;

select \* from employee;



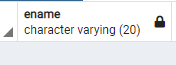


alter table department drop constraint department\_pkey cascade;  
select \* from department;



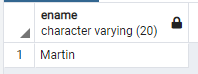


select ename from employee where ename like 'm%e%e%';



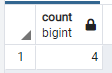


select ename from employee where ename like 'M%' and basic\_sal > 1000;



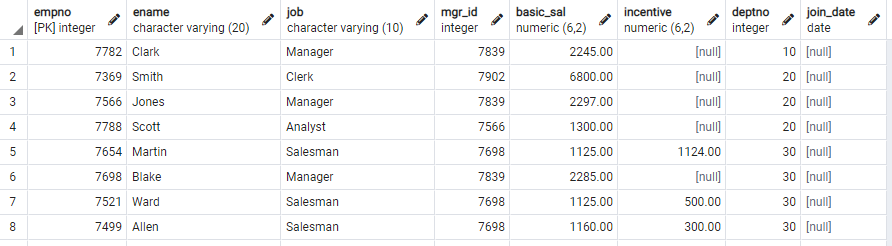


select count(\*) from employee where basic\_sal>2000;



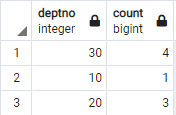


select \* from employee order by deptno;



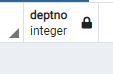


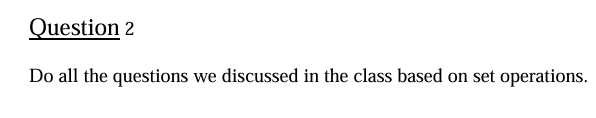
select deptno, count(\*) from employee group by deptno;





select deptno from employee group by deptno having count(\*) > 10;





create table customer(cno int primary key,

cname varchar(30),

ctype varchar(10));

create table cust\_fd(cno int references customer(cno),

fd\_no int primary key,

fd\_amt numeric(50),

int\_rate numeric(50));

create table cust\_loan(cno int references customer(cno),

ln\_no int primary key,

ln\_type varchar,

ln\_amt numeric);

create table emp\_details(cno int references customer(cno),

ename varchar,

sal numeric,

br\_no int);

create table account(acc\_no int primary key,

cno int references customer(cno),

veri\_emp\_no int,

acc\_type varchar);

INSERT INTO customer (cno, cname, ctype) VALUES

(1, 'John Doe', 'Premium'),

(2, 'Jane Smith', 'Basic'),

(3, 'Alice Johnson', 'Premium'),

(4, 'Bob Brown', 'Basic'),

(5, 'Charlie Adams', 'Premium'),

(6, 'Diana Clark', 'Basic'),

(7, 'Evan Taylor', 'Premium'),

(8, 'Fiona Lewis', 'Basic'),

(9, 'George Martin', 'Premium'),

(10, 'Hannah Scott', 'Basic');

INSERT INTO cust\_fd (cno, fd\_no, fd\_amt, int\_rate) VALUES

(1, 1001, 50000, 4.5),

(2, 1002, 75000, 5.0),

(3, 1003, 60000, 4.8),

(4, 1004, 80000, 5.2),

(5, 1005, 55000, 4.7),

(6, 1006, 45000, 5.1),

(7, 1007, 95000, 4.9),

(8, 1008, 105000, 5.3),

(9, 1009, 62000, 4.6),

(10, 1010, 78000, 5.4);

INSERT INTO cust\_loan (cno, ln\_no, ln\_type, ln\_amt) VALUES

(1, 2001, 'Home Loan', 250000),

(2, 2002, 'Personal Loan', 50000),

(3, 2003, 'Car Loan', 120000),

(4, 2004, 'Education Loan', 30000),

(5, 2005, 'Home Loan', 270000),

(6, 2006, 'Car Loan', 150000),

(7, 2007, 'Personal Loan', 80000),

(8, 2008, 'Business Loan', 500000),

(9, 2009, 'Education Loan', 45000),

(10, 2010, 'Personal Loan', 100000);

INSERT INTO emp\_details (cno, ename, sal, br\_no) VALUES

(1, 'Mark Spencer', 55000, 101),

(2, 'Lucy Martin', 60000, 102),

(3, 'John David', 52000, 103),

(4, 'Emily White', 58000, 104),

(5, 'Michael James', 61000, 105),

(6, 'Sophia King', 54000, 106),

(7, 'Oliver Green', 57000, 107),

(8, 'Amelia Turner', 62000, 108),

(9, 'Mason Lee', 51000, 109),

(10, 'Isabella Wright', 53000, 110);

INSERT INTO account (acc\_no, cno, veri\_emp\_no, acc\_type) VALUES

(3001, 1, 1, 'Savings'),

(3002, 2, 2, 'Current'),

(3003, 3, 3, 'Savings'),

(3004, 4, 4, 'Current'),

(3005, 5, 5, 'Savings'),

(3006, 6, 6, 'Current'),

(3007, 7, 7, 'Savings'),

(3008, 8, 8, 'Current'),

(3009, 9, 9, 'Savings'),

(3010, 10, 10, 'Current');

**a)List the customer number of those customers who have got both loan and fd at the bank**

select cno from cust\_fd intersect select cno from cust\_loan

**b)List the customer number of those customers who have got either loan or fd at the bank**

select cno from cust\_fd union select cno from cust\_loan

**c)List the customer number of those customers who have got FD but not loan at the bank Insert customer details for those who have FD but no loan**

INSERT INTO customer (cno, cname, ctype) VALUES

(11, 'Ivy Cole', 'Premium'),

(12, 'Jackie Ford', 'Basic'),

(13, 'Kyle Evans', 'Premium');

**d) Insert customers with FD but no loan Assume customer numbers 11, 12, and 13 have FD but no loan**

INSERT INTO cust\_fd (cno, fd\_no, fd\_amt, int\_rate) VALUES

(11, 1011, 85000, 4.6),

(12, 1012, 70000, 4.8),

(13, 1013, 92000, 5.1);

select cno from cust\_fd except select cno from cust\_loan;