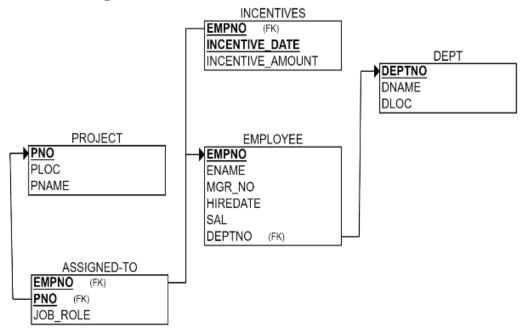
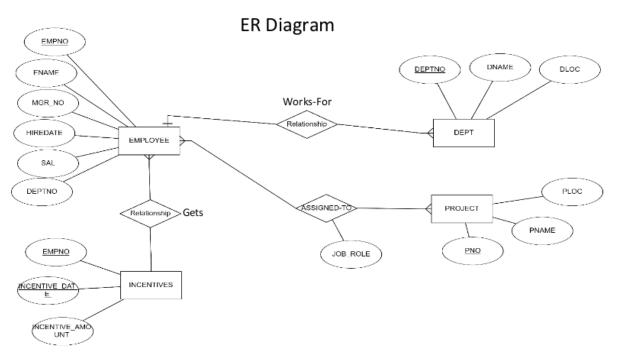
### **WEEK 6- MORE QUERIES ON EMPLOYEE DATABASE**

## Schema Diagram





#### TO DO:

## 1) <u>Using Scheme diagram, Create tables by properly specifying the</u> primary keys and the foreign keys.

#### (CREATION)

```
create database dhiksha employee;
use dhiksha employee;
create table dhiksha_employee.project(
pno int,
ploc varchar(40),
pname varchar(40),
PRIMARY KEY(pno)
);
create table dhiksha employee.dept(
deptno int,
dname varchar(40),
dloc varchar(40),
PRIMARY KEY(deptno)
);
create table dhiksha employee.employee(
empno int,
ename varchar(40),
mgr no int,
hiredate date,
sal int,
deptno int,
primary key (empno),
foreign key (deptno) references dept(deptno)
);
create table dhiksha_employee.incentives(
empno int,
incentive_date date,
incentive amount int,
primary key(incentive date),
foreign key (empno) references employee(empno)
);
create table dhiksha employee.assigned to(
empno int,
```

```
pno int,
job_role varchar(50),
foreign key (pno) references project(pno),
foreign key (empno) references employee(empno)
);
```

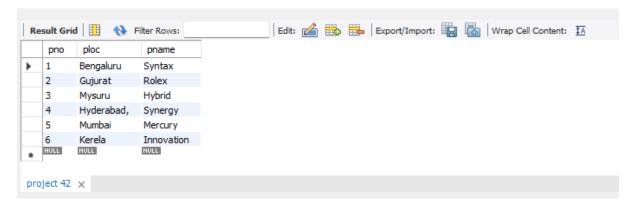
## 2) Enter greater than five tuples for each table. (INSERTION)

```
insert into project values(1,"Bengaluru","Syntax");
insert into project values(2,"Gujurat","Rolex");
insert into project values(3,"Mysuru","Hybrid");
insert into project values(4,"Hyderabad,","Synergy");
insert into project values(5,"Mumbai","Mercury");
insert into project values(6,"Kerela","Innovation");
insert into dept values(10, "Sales", "Bengaluru");
insert into dept values(20, "Finance", "West Bengal");
insert into dept values(30,"Marketing","Bihar");
insert into dept values(40,"Purchase","Mumbai");
insert into dept values(50, "Research & Development", "Hyderabad");
insert into dept values(60,"Technical","Kerela");
insert into employee values(100, "Prannay", 700, '2003-01-01', 24000, 10);
insert into employee values(200, "Farhaan", 100, '2004-02-02', 17000, 50);
insert into employee values(300, "Sanika", 100, '2003-01-21', 9000, 30);
insert into employee values(400, "Sakshi", 300, '2008-02-17', 12000, 40);
insert into employee values(500,"Nishith",400,'2004-03-05',3000,40);
insert into employee values(600, "Sohan", 100, '2005-11-01', 2000, 20);
insert into employee values(700,"Mahima", NULL, '2005-11-21', 8000, 20);
insert into incentives values(100, '2019-02-17', 6000);
insert into incentives values(200, '2019-05-21', 7000);
insert into incentives values(400,'2012-07-25',6500);
insert into incentives values(500,'2019-04-19',7400);
insert into incentives values(600,'2013-08-08',8000);
insert into incentives values(700, '2019-08-08', 8000);
```

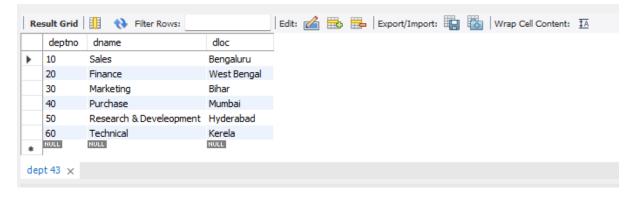
```
insert into assigned_to values(100,1, "Project Manager"); insert into assigned_to values(200,1, "Resource Manager"); insert into assigned_to values(300,2, "Business Analyst"); insert into assigned_to values(400,3, "Business Analyst"); insert into assigned_to values(500,3, "Project Manager"); insert into assigned_to values(600,5, "Resource Manager");
```

#### • <u>SELECTION</u>

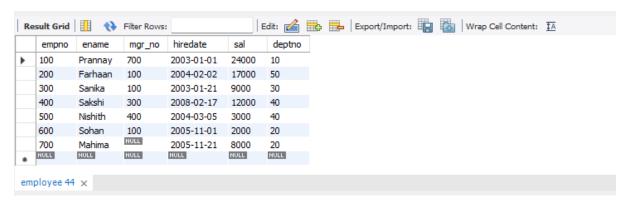
### select \* from project;



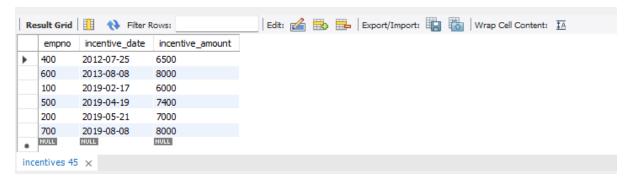
### select \* from dept;



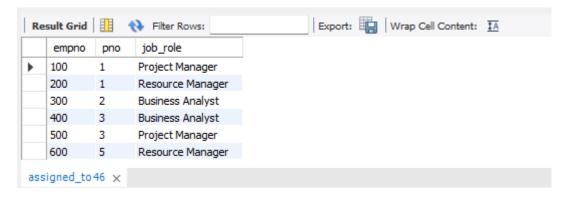
#### select \* from employee;



#### select \* from incentives;



## select \* from assigned\_to;



## 3) List the name of the managers with the maximum employees

select e1.ename

from employee e1, employee e2

where e1.empno=e2.mgr\_no group by e1.ename

having count(e1.mgr\_no)=(select count(e1.ename)

from employee e1, employee e2 where e1.empno=e2.mgr\_no

group by e1.ename order by count(e1.ename) desc limit 1);



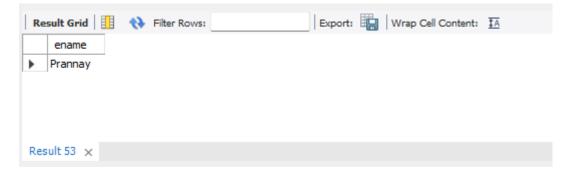
# 4) <u>Display those managers name whose salary is more than average</u> salary of his

select m.ename from employee m
where m.empno in
 (select mgr\_no from employee)
 and m.sal>(select avg(n.sal) from employee n
 where n.mgr\_no=m.empno);



### 5) Find the name of the second top level managers of each department.

select ename from employee where empno in(select distinct mgr\_no from employee where empno in



## 6) Find the employee details who got second maximum incentive in January 2019.

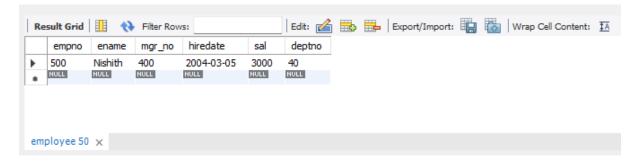
select \* from employee where empno=

(select i.empno from incentives i

where i.incentive\_amount= (select max(n.incentive\_amount) from incentives n

where n.incentive\_amount<(select max(inc.incentive\_amount) from incentives inc

where inc.incentive\_date between '2019-01-01' and '2019-12-31') and incentive date between '2019-01-01' and '2019-12-31'));



## 7) <u>Display those employees who are working in the same department</u> where his manager is working.

select e2.ename

from employee e1, employee e2

where e1.empno=e2.mgr\_no and e1.deptno=e2.deptno;

