WEEK 5

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CODE

QUERY 1

Using Scheme diagram, Create tables by properly specifying the primary keys and the foreign keys.

```
create database employees;
use employees;
create table project(
pno int,
ploc varchar(40),
pname varchar(40),
primary key(pno)
);
create table dept(
deptno int,
dname varchar(40),
dloc varchar(40),
primary key(deptno)
);
create table employee(
empno int,
ename varchar(40),
mgr_no int,
hiredate date,
sal int,
```

```
deptno int,
primary key (empno),
foreign key (deptno) references dept(deptno) on delete cascade
);
create table incentives(
empno int,
incentive_date date,
incentive_amount int,
primary key(incentive_date),
foreign key (empno) references employee(empno) on delete cascade
);
create table assigned_to(
empno int,
pno int,
job_role varchar(50),
foreign key (pno) references project(pno) on delete cascade,
foreign key (empno) references employee(empno) on delete cascade
);
QUERY 2
Enter greater than five tuples for each table.
insert into project values(1,"Bengaluru","Microsoft"),
(2,"Mangalore","Reliance"),(3,"Mysuru","Dell"),(4,"Hyderabad,","HP"),(5,"Chennai","Byjus");
insert into dept values (10,"Research","Bengaluru"),(20,"Finance","West
Bengal"),(30,"Marketing","Bihar"),(40,"HR","Mumbai"),(50,"Sales","Hyderabad");
insert into employee values
(100, "airi", 400, '2003-01-01', 100000, 10), (200, "haruka", 500, '2004-02-02', 100500, 50),
(300, "shizuku", 100, '2005-03-03', 200500, 30), (400, "minori", 500, '2006-04-04', 300500, 40),
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(500,"nene",300,'2007-05-05',200700,40), (600,"toya",200,'2008-06-06',200000,20),(700,"akito",200,'2009-07-07',200900,20);

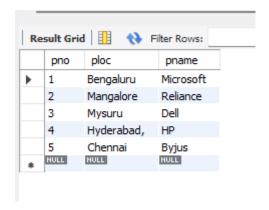
insert into incentives values(100,'2012-01-17',6000),(200,'2012-02-18',7000),(300,'2012-03-19',8000),(500,'2013-04-20',9000),(600,'2013-05-21',10000);

insert into assigned_to values(100,1, "Manager"),(200,1, "Manager"),(300,2, "Researcher"),(400,3, "Businessman"),

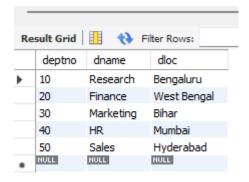
(500,3, "Businessman"),(700,5, "CEO");

OUTPUT

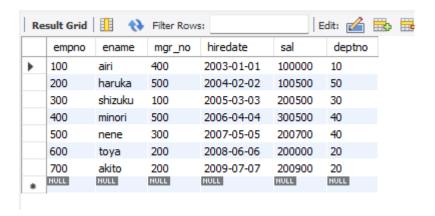
select * from project;



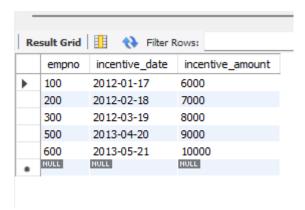
select * from dept;



select * from employee;



select * from incentives;



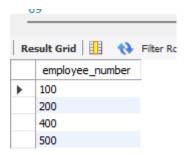
select * from assigned_to;



QUERY 3

Retrieve the employee numbers of all employees who work on project located in Bengaluru, Hyderabad, or Mysuru

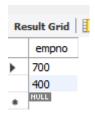
select a.empno employee_number from project p, assigned_to a where p.pno=a.pno and p.ploc in("Hyderabad","Bengaluru","Mysuru");



QUERY 4

Get Employee ID's of those employees who didn't receive incentives

select e.empno from employee e where e.empno NOT IN (select i.empno from incentives i);



QUERY 5

Write a SQL query to find the employees name, number, dept,

job_role, department location and project location who are working for

a project location same as their department location.

select e.ename Emp_name, e.empno Emp_Number, d.dname Dept, a.job_role Job_Role, d.dloc Department_Location, p.ploc Project_Location from project p, dept d, employee e, assigned_to a where e.empno=a.empno and p.pno=a.pno and e.deptno=d.deptno and p.ploc=d.dloc;

