**TABLE CREATION:**

create database Employee;

use Employee;

create table employee

(

empno int,

ename varchar(20) not null,

mgrno int not null,

hiredate date not null,

sal float(4) not null,

deptno int not null,

primary key (empno),

foreign key (deptno) references dept(deptno) on delete cascade on update cascade

);

create table dept

(

deptno int primary key,

dname varchar(20) not null,

dloc varchar(20) not null

);

create table incentives

(

empno int,

incentive\_date date not null,

incentive\_amount float(4) not null,

primary key (empno, incentive\_date),

foreign key (empno) references employee(empno) on delete cascade on update cascade

);

create table project

(

pno int primary key,

ploc varchar(20) not null,

pname varchar(20) not null

);

create table assigned\_to

(

empno int,

pno int,

job\_role varchar(10) not null,

primary key (empno, pno),

foreign key (empno) references employee(empno) on delete cascade on update cascade,

foreign key (pno) references project(pno) on delete cascade on update cascade

);

**INSERTING VALUES:**

insert into dept values(1,'CSE','bangalore'),(2,'AI','bangalore'),(3,'ISE','hyderabad'),(4,'ECE','mysuru'),(5,'ME','kochi'),(6,'EEE','rourkela');

insert into employee values(90,'Likhith',94,'2014-08-18',100000,1),(91,'Ramesh',94,'2016-09-02',90000,1),

(92,'Deepika',90,'2006-07-03',80000,2),(93,'Suresh',90,'2007-06-06',70000,3),(94,'Sneha',95,'2009-05-09',60000,4),

(95,'Ram',95,'2013-07-08',50000,5);

insert into incentives

values(90,'2020-08-01',40000),(92,'2019-09-01',50000),(93,'2020-09-01',60000),(95,'2019-08-01',70000);

insert into project

values(100,'bangalore','pro1'),(110,'bangalore','pro2'),(120,'hyderabad','pro3'),(130,'mysuru','pro4'),(140,'koch','pro5'),(150,'rourkela','pro6');

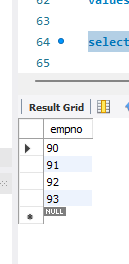
insert into assigned\_to

values(90,100,'Software engineer'),(91,110,'Test engineer'),(92,120,'Analyst'),(93,130,'Test engineer'),(94,140,'Team lead'),(95,150,'Software engineer');

**Queries:**

**3)**

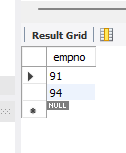
select empno from employee where empno in (select empno from assigned\_to where pno in ( select pno from project where ploc in ('bangalore','hyderabad','mysuru')));



4) select empno

from employee

where empno not in ( select empno from incentives);



5) select e.ename,e.empno,d.deptno,a.job\_role,d.dloc,p.ploc

from employee e, dept d, assigned\_to a, project p

where e.deptno = d.deptno and a.empno = e.empno and p.pno = a.pno and p.ploc=d.dloc;

