**create database employee;**

**use employee;**

**create table dept**

**(dname varchar(30),**

**deptno varchar(10) primary key,**

**dloc varchar(30));**

**create table project**

**(pno int primary key,**

**ploc varchar(30),**

**pname varchar(20));**

**create table employees**

**(empno varchar(20) primary key,**

**ename varchar(20),**

**mgrno varchar(20),**

**hiredate date,**

**sal int,**

**deptno varchar(30),**

**foreign key(deptno) references dept(deptno) on delete cascade);**

**create table assigned**

**(empno varchar(20),**

**pno int,**

**jobrole varchar(30),**

**foreign key(empno) references employees(empno) on delete cascade,**

**foreign key(pno) references project(pno) on delete cascade);**

**create table incentives**

**(empno varchar(20),**

**incentive\_date date primary key,**

**incentive\_amount int,**

**foreign key(empno) references employees(empno) on delete cascade);**

**select \*from project;**

**insert into dept values('Human\_Resource','1','bangalore'),('Software','2','hyderbad'),('Finance','3','mysore'),('Operations\_management','4','chennai'),('Marketing','5','udupi'),('Research','6','mangalore');**

**insert into project values(1,'bangalore','abc'),(2,'delhi','xyz'),(3,'hyderbad','ghi'),(4,'udupi','jkl'),(5,'mangalore','mno'),(6,'mumbai','pqr');**

**insert into employees values('e1','Sushanth','m1','2010-01-11',5000,1),('e2','mark','m1','2013-05-03',10000,2),**

**('e3','jef bezos','m2','2014-03-13',3000,3),('e4','elon musk','m2','2015-03-02',6000,4),('e5','harry','m3','2013-07-20',5000,5)**

**,('e6','bill gates','m4','2020-02-02',8900,6);**

**insert into employees values('e7','vignesh','m4','2020-01-01',2000,2),('e8','shashank','m3','2009-02-03',4000,2);**

**insert into assigned values('e1',1,'controller'),('e2',2,'technician'),('e3',3,'ca'),('e4',4,'supervisor'),('e5',5,'advertizer'),('e6',6,'scientist');**

**insert into assigned values('e7',1,'utilizer'),('e8',3,'mainperson');**

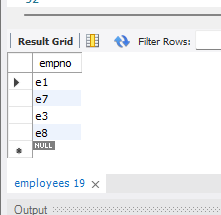
**insert into incentives values('e1','2022-01-18',3000),('e2','2021-01-01',2300),('e3','2022-01-10',3400);**

**insert into incentives values('e4','2014-09-09',0);**

**1**

**-- select empno from employees**

**-- where empno in(select empno from assigned where pno in (select pno from project where ploc in('bangalore' ,'hyderbad' ,'mysore')));**

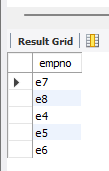
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**2**

**-- select e.empno from employees e left outer join**

**-- incentives i on i.empno=e.empno**

**-- where i.empno is null or i.incentive\_amount=0;**

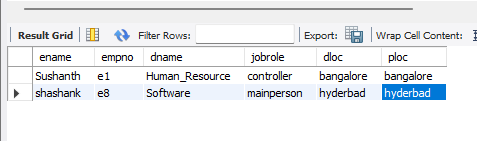
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**3.**

**-- select e.ename,a.empno,d.dname,a.jobrole,d.dloc,p.ploc**

**-- from employees e,assigned a, dept d,project p**

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

****