WEEK 5

Usn:1BM21CS231

```
create database employee;

use employee;


create table employee(

empno char(5) primary key,

ename varchar(20),

mgr_no char(5),

hiredate date,

sal int,

deptno char(5));


create table incentives(

empno char(5),

incentivedate date primary key,

incentive_amount int,

foreign key(empno) references employee(empno));


create table department(

deptno char(5) primary key,

dname varchar(20),

dloc varchar(20));


create table project(

pno char(5) primary key,

pname varchar(20),

ploc varchar(20));
```

```sql
create table assignedto(

empno char(5),

pno char(5),

jobrole varchar(20),

foreign key(empno) references employee(empno),

foreign key(pno) references project(pno));




insert into employee values('EMP1','SHASHANK HS','M1','2015-12-1','25000','D1');

insert into employee values('EMP2','SHASHANK MM','M2','2013-1-12',"10000",'D2');

insert into employee values('EMP3',"SKANDA",'M3','2013-10-20',"100000",'D3');

insert into employee values('EMP4',"VISHWAS",'M4','2021-3-23',"2200",'D4');

insert into employee values('EMP5',"VINAYAK",'M5','2019-9-15',"39000",'D5');

insert into employee values('EMP6',"SHRAVANTH",'M6','2011-8-3',"70000",'D6');




insert into incentives values('EMP1','2021-11-5',2000);

insert into incentives values('EMP2','2019-1-21',3000);

insert into incentives values('EMP3','2020-10-15',9000);

insert into incentives values('EMP4','2015-11-15',7000);

insert into incentives values('EMP5','2021-11-16',1000);




insert into department values('D1','Railway','Bangalore');

insert into department values('D2','Airways','Hyderabad');

insert into department values('D3','Roadways','Mysore');

insert into department values('D4','Waterways','Andaman');

insert into department values('D5','Drainage','Bombay');
```

```
insert into department values('D6','Pollution','Delhi');
```

```
insert into project values('p1','electrification','Bangalore');
insert into project values('p2','hyderabad airport','Hyderabad');
insert into project values('p3','highway','Mysore');
insert into project values('p4','shipping','Andaman');
insert into project values('p5','sewage','Bombay');
insert into project values('p6','solid particles','Delhi');
```

```
insert into assignedto values('EMP1','p1',"Architect");
insert into assignedto values('EMP2','p2',"Civil Engineer");
insert into assignedto values('EMP3','p3',"Developer");
insert into assignedto values('EMP4','p4',"Android");
insert into assignedto values('EMP5','p5',"Website");
insert into assignedto values('EMP6','p6',"Financial");
insert into assignedto values('EMP4','p3',"Sales dept");
insert into assignedto values('EMP3','p2',"Team Head");
insert into assignedto values('EMP1','p1',"Testing");
```

```
select distinct(empno) from assignedto a,project p
where a.pno = p.pno and (p.ploc = 'Bangalore' or p.ploc = 'Hyderabad' or p.ploc = 'Mysore');
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
empno
EMP1
EMP2
EMP3
EMP4

Result 7 ×

select distinct(empno) from employee

where empno not in(select empno from incentives);

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

	empno
▶	EMP6

Result 8 ×

select e.ename,e.empno,e.deptno,a.jobrole,d.dloc,p.ploc

from employee e,assignedto a,department d,project p

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

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

ename	empno	deptno	jobrole	dloc	ploc
SKANDA	EMP3	D3	Developer	Mysore	Mysore
VISHWAS	EMP4	D4	Sales dept	Andaman	Andaman
VISHWAS	EMP4	D4	Android	Andaman	Andaman
VINAYAK	EMP5	D5	Website	Bombay	Bombay
SHRAVANTH	EMP6	D6	Financial	Delhi	Delhi

Result 10 ×