Week-5

```sql
create database 1bm21cs058_employee;

use  1bm21cs058_employee;

create table dept(

d_no int,

d_name varchar(10),

d_loc varchar(30),

primary key(d_no)

);

create table project(

p_no int,

p_loc varchar(20),

p_name varchar(15),

primary key(p_no)

);

create table employee(

emp_no int,

emp_name varchar(10),

mgr_no int,

hiredate date,

sal real,

d_no int,

primary key (emp_no),

foreign key(d_no) references dept(d_no)

on update cascade on delete cascade

);
```

```sql
create table incentives(

emp_no int ,

incentive_date date,

incentive_amt real,

primary key (incentive_date),

foreign key(emp_no) references employee(emp_no)

on update cascade on delete cascade

);

create table assigned(

emp_no int,

p_no int,

job_role varchar(10),

foreign key(emp_no) references employee(emp_no)

on update cascade on delete cascade,

foreign key(p_no) references project(p_no)

 on update cascade on delete cascade

);

select *from employee;

select*from assigned;

select*from incentives;

select *from project;

select *from dept;

insert into dept values( 10,'design','bangalore');

insert into dept values(20,'accounts','mumbai');

insert into dept values (30,'logistics','delhi');
```
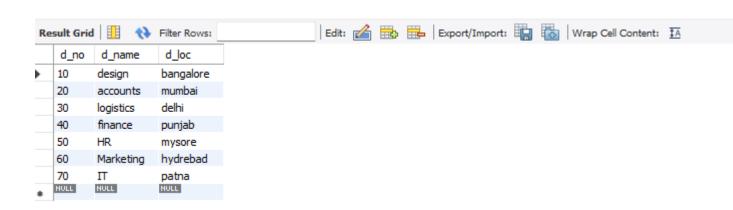
```sql
insert into dept values(40,'finance','punjab');
insert into dept values(50,'HR','mysore');
insert into dept values(60,'Marketing','hydrebad');
insert into dept values(70,'IT','patna');
insert into project values (1,'bangalore','ab');
insert into project values (2,'mumbai','cd');
insert into project values (3,'delhi','ef');
insert into project values (4,'punjab','gh');
insert into project values (5,'mysore','ij');
insert into employee values (01,'ram',01,'2000-01-22',10000,10);
insert into employee values (02,'gita',02,'2002-03-09',2000,30);
insert into employee values (03,'mayank',03,'2001-04-17',30000,40);
insert into employee values (04,'Shyama',04,'2004-09-19',20000,50);
insert into employee values (05,'maryam',05,'2006-06-06',25000,30);
insert into employee values (06,'sine',06,'2007-08-19',30000,10);
insert into employee values (07,'dhanne',07,'2003-05-18',40000,20);
insert into employee values (08,'avinash',08,'2005-08-16',35000,40);
insert into employee values (09,'dinesh',09,'2008-08-04',15000,50);
insert into employee values (10,'latta',10,'2009-04-17',40000,20);
insert into incentives values (02,'2021-05-11',1000);
insert into incentives values(03,'2022-06-03',1500);
insert into incentives values(08,'2021-09-10',2000);
insert into incentives values(09,'2022-06-21',2500);
insert into incentives values(07,'2021-04-17',3000);
insert into incentives values(10,'2022-10-19',3500);
insert into assigned values (01,1,'househelp');
```

insert into assigned values (02,2,'engineer');

insert into assigned values (03,3,'mechanic');

insert into assigned values (04,4,'medic');

insert into assigned values (05,5,'manager');

insert into assigned values (06,2,'mason');

insert into assigned values (07,4,'assitant');

insert into assigned values (08,3,'supervisor');

insert into assigned values (09,1,'peon');

insert into assigned values (10,2,'architect');

select *from employee;

select *from assigned;

select *from incentives;

select *from project;

select *from dept;

| Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Conter |

emp_no	emp_name	mgr_no	hiredate	sal	d_no
1	ram	1	2000-01-22	10000	10
2	gita	2	2002-03-09	2000	30
3	mayank	3	2001-04-17	30000	40
5	maryam	5	2006-06-06	25000	30
6	sine	6	2007-08-19	30000	10
7	dhanne	7	2003-05-18	40000	20
9	dinesh	9	2008-08-04	15000	50
10	latta	10	2009-04-17	40000	20
NULL	NULL	NULL	NULL	NULL	NULL

Result Grid — Filter Rows:

emp_no	p_no	job_role
1	1	househelp
2	2	engineer
3	3	mechanic
5	5	manager
6	2	mason
7	4	assitant
9	1	peon
10	2	architect
6	2	mason

Result Grid — Filter Rows:

emp_no	incentive_date	incentive_amt
7	2021-04-17	3000
2	2021-05-11	1000
3	2022-06-03	1500
9	2022-06-21	2500
10	2022-10-19	3500
NULL	NULL	NULL

p_no	p_loc	p_name
1	bangalore	ab
2	mumbai	cd
3	delhi	ef
4	punjab	gh
5	mysore	ij
6	hydrebad	kl
NULL	NULL	NULL

Result Grid — Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

d_no	d_name	d_loc
10	design	bangalore
20	accounts	mumbai
30	logistics	delhi
40	finance	punjab
50	HR	mysore
60	Marketing	hydrebad
70	IT	patna
NULL	NULL	NULL

select emp_no from assigned,project

where assigned.p_no=project.p_no and project.p_loc

in('mysore','bangalore','hydrebad');

Result Grid	Filter Rows:	Export:	Wrap Cell Content:

emp_no
1
9
5

select emp_no from employee where emp_no not

in(select incentives.emp_no

from employee cross join incentives

on employee.emp_no=incentives.emp_no);

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:

emp_no
1
6
5
NULL

select e.emp_name,e.emp_no,d.d_name,

a.job_role,d.d_loc,p.p_loc

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

where d.d_no=e.d_no

and e.emp_no=a.emp_no

and a.p_no=p.p_no

and p.p_loc=d.d_loc;

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

emp_name	emp_no	d_name	job_role	d_loc	p_loc
ram	1	design	househelp	bangalore	bangalore
latta	10	accounts	architect	mumbai	mumbai