

WEEK-5

```
create database employee3;  
use employee3;
```

-- 1.department table

```
create table dept  
(dname varchar(30),  
deptno varchar(10) primary key,  
dloc varchar(30));
```

-- 2.project table

```
create table project  
(pno int(4) primary key,  
ploc varchar(30),  
pname varchar(20));
```

-- 3.employees table

```
create table employees  
(empno varchar(20) primary key,  
ename varchar(20),
```

```
mgrno varchar(20),  
hiredate date,  
sal int(10),  
deptno varchar(30),  
foreign key(deptno) references dept(deptno) on  
delete cascade);
```

-- 4.assigned to table

```
create table assigned  
(empno varchar(20),  
pno int(4),  
jobrole varchar(30),  
foreign key(empno) references employees(empno) on  
delete cascade,  
foreign key(pno) references project(pno) on delete  
cascade);
```

-- 5.incentives table

```
create table incentives  
(empno varchar(20),  
incentive_date date primary key,
```

```
incentive_amount int(10),  
foreign key(empno) references employees(empno) on  
delete cascade);  
select * from dept;
```

-- inserting values to tables , .

```
insert into dept  
values('Human_Resource','1','bangalore'),('IT','2','hy  
derabad'),('Finance','3','mysore'),('Operations_manag  
ement','4','hasana'),('Marketing','5','udupi'),('Resear  
ch','6','mangalore');
```

```
insert into project  
values('11','bangalore','abc'),('12','delhi','def'),('13','  
hyderabad','ghi'),('14','udupi','jkl'),('15','mangalore','  
mno'),('16','mumbai','pqr');
```

```
insert into employees  
values('e1','subhash','m1','2010-01-  
11','5000','1'),('e2','sukumar','m1','2013-05-  
03','10000','2'),  
('e3','vijay','m2','2014-03-  
13','3000','3'),('e4','elon','m2','2015-03-  
02','6000','4'),('e5','harry','m3','2013-07-  
20','5000','5')
```

```
,('e6','sudeep','m4','2020-02-02','8900','6');
```

```
insert into employees  
values('e7','mohan','m4','2020-01-01','2000',2),('e8','sam','m3','2009-02-03','4000','2');
```

```
insert into assigned  
values('e1','11','controller'),('e2','12','technician'),('e3','16','ca'),('e4','15','supervisor'),('e5','11','advertize  
r'),('e6','14','scientist');
```

```
insert into assigned  
values('e7','11','utilizer'),('e8','13','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 * from dept;

	dname	deptno	dloc
▶	Human_Resource	1	bangalore
	IT	2	hyderabad
	Finance	3	mysore
	Operations_management	4	hasana
	Marketing	5	udupi
	Research	6	mangalore
✱	NULL	NULL	NULL

2.select * from project;

	pno	ploc	pname
▶	11	bangalore	abc
	12	delhi	def
	13	hyderabad	ghi
	14	udupi	jkl
	15	mangalore	mno
	16	mumbai	pqr
*	NULL	NULL	NULL

3.select * from employees;

empno
e7
e1
▶ e5
e8

4.select * from assigned;

	empno	pno	jobrole
▶	e7	11	utilizer
	e8	13	mainperson
	e1	11	controller
	e2	12	technician
	e3	16	ca
	e4	15	supervisor
	e5	11	advertizer
	e6	14	scientist

5. select * from incentives;

	empno	incentive_date	incentive_amount
▶	e4	2014-09-09	0
	e2	2021-01-01	2300
	e3	2022-01-10	3400
	e1	2022-01-18	3000
*	NULL	NULL	NULL

-- to do

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

select a.empno

from assigned a

where a.pno in (select a.pno

from project p, assigned a

where p.pno=a.pno

and p.ploc in('bangalore','hyderabad','mysore'));

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	empno			
▶	e7			
	e1			
	e5			
	e8			

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

select e.empno

from employees e left outer join incentives i

on e.empno=i.empno where i.empno is null or i.incentive_amount=0;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	empno			
▶	e7			
	e8			
	e4			
	e5			
	e6			

-- 3. 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 his/her department location.

```
select e.ename,e.empno,e.deptno
department_number,a.jobrole,p.ploc,d.dloc
from employees e,assigned a,project p,dept d
where p.ploc=d.dloc and e.empno=a.empno and
d.deptno=e.deptno and a.pno=p.pno;
```

Result Grid

↺↻

Filter Rows:

Export:

Wrap Cell Content:

⌂

	ename	empno	department_number	jobrole	ploc	dloc
▶	subhash	e1	1	controller	bangalore	bangalore
	sam	e8	2	mainperson	hyderabad	hyderabad