### 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 emloyees (empno varchar(20) primary key, ename varchar(20),

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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 emloyees(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,
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incentive_amount int(10),
foreign key(empno) references emloyees(empno) on
delete cascade);
select * from dept;
-- inserting values to tables,.
insert into dept
values('Human_Resource','1','bangalore'),('IT','2','hy
derbad'),('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','
hyderbad', 'ghi'), ('14', 'udupi', 'jkl'), ('15', 'mangalore', '
mno'),('16','mumbai','pqr');
insert into emloyees
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-
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20','5000','5')

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

insert into emloyees

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','advertizer'),('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
<b>&gt;</b>	Human_Resource	1	bangalore
	IT	2	hyderbad
	Finance	3	mysore
	Operations_management	4	hasana
	Marketing	5	udupi
	Research	6	mangalore
	NULL	MULL	NULL

# 2.select \* from project;

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

# 3.select \* from emloyees;



# 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

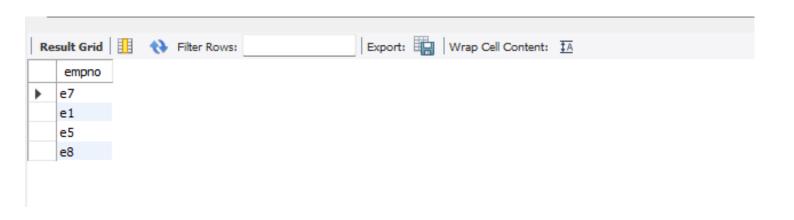
from assigned a

where a.pno in (select a.pno

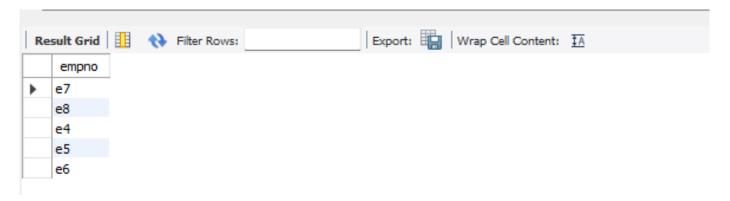
from project p, assigned a

where p.pno=a.pno

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



-- 2.Get Employee ID's of those employees who didn't receive incentives select e.empno from emloyees e left outer join incentives i on e.empno=i.empno where i.empno is null or i.incentive\_amount=0;



- -- 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 emloyees 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;

