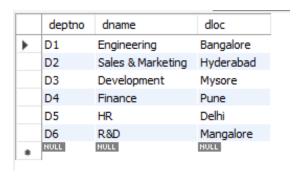
Week 5

Vinayak Prasad Section 3D Batch D4 **Queries:** create database employee; use employee; create table dept (deptno char(5) primary key, dname varchar(20), dloc varchar(20)); create table employee (empno char(5) primary key, ename varchar(20), mgr_no char(5), hiredate date, sal int, deptno char(5), foreign key(deptno) references dept(deptno) on delete cascade); create table incentives

```
(
empno char(5),
incentive_date date primary key,
incentive_amount int,
foreign key(empno) references employee(empno) on delete cascade
);
create table project
(
pno char(5) primary key,
pname varchar(20),
ploc varchar(20)
);
create table assigned_to
(
empno char(5),
pno char(5) primary key,
job_role varchar(20),
foreign key(empno) references employee(empno) on delete cascade
);
insert into dept values('D1','Engineering','Bangalore'),('D2','Sales & Marketing
','Hyderabad'),('D3','Development','Mysore'),
('D4','Finance','Pune'),('D5','HR','Delhi'),('D6','R&D','Mangalore');
select * from dept;
```



insert into employee values('E1','Virat','M1','2017-05-13','5000','D1'),('E2','Abraham','M1','2018-07-03','10000','D1'),

('E3','Rahul','M2','2017-11-29','3000','D2'),('E4','Ganesh','M2','2019-05-28','6000','D3'),('E5','Prasad','M5','2018-08-21','5000','D4'),

('E6','Ram','M1','2020-04-05','8900','D1'),('E7','Abhinav','M6','2020-02-14','8900','D2'),('E8','Chandra','M3','2021-08-31','8800','D3');

select * from employee;

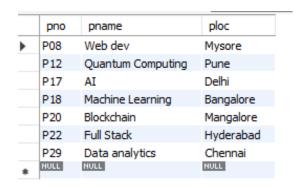


insert into project values('P18','Machine Learning','Bangalore'),('P17','AI','Delhi'),('P22','Full Stack','Hyderabad'),

('P12','Quantum

Computing','Pune'),('P20','Blockchain','Mangalore'),('P08','Web dev','Mysore'),('P29','Data analytics','Chennai');

select * from project;



insert into assigned_to values('E1','P22','Controller'),('E2','P18','Technician'),('E3','P08','Cloud Engineer'),

('E4','P12','Supervisor'),('E5','P20','Developer'),('E6','P17','AI Engineer'),('E7','P29','Data Scientist');

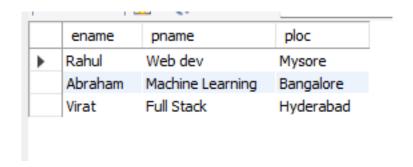
select * from assigned_to;

	empno	pno	job_role
•	E3	P08	Cloud Engineer
	E4	P12	Supervisor
	E6	P17	AI Engineer
	E2	P18	Technician
	E5	P20	Developer
	E1	P22	Controller
	E7	P29	Data Scientist
	NULL	NULL	NULL

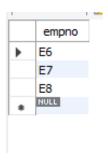
insert into incentives values('E1','2019-12-19','2800'),('E2','2020-08-01','5400'), ('E3','2018-01-10','3000'),('E4','2020-06-06','3000'),('E5','2019-10-19','1500'); select * from incentives;

	empno	incentive_date	incentive_amount
•	E3	2018-01-10	3000
	E5	2019-10-19	1500
	E1	2019-12-19	2800
	E4	2020-06-06	3000
	E2	2020-08-01	5400
	NULL	NULL	NULL

select e.ename,p.pname,p.ploc from employee e, project p, assigned_to a where e.empno=a.empno and a.pno=p.pno and p.ploc in('Bangalore','Hyderabad','Mysore');



select empno from employee where empno not in(select empno from incentives);



select e.ename,e.empno,d.dname,a.job_role,d.dloc,p.ploc from employee e,dept d,assigned_to a, project p where e.empno=a.empno and e.deptno=d.deptno and p.ploc=d.dloc;

