## WEEK 5

## **EMPLOYEE DATABASE**

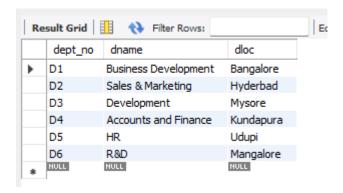
```
create database EmployeeDB;
use EmployeeDB;
create table DEPT
(dept_no char(20),
dname varchar(20),
dloc varchar(20),
primary key(dept_no)
);
create table Employee
(empno char(20),
ename varchar(20),
mgr_no char(20),
hiredate date,
sal int,
dept_no char(20),
primary key(empno),
foreign key(dept_no) references DEPT(dept_no) on delete cascade
);
create table Project
(pno char(20),
pname varchar(20),
ploc varchar(20),
primary key(pno)
);
```

```
create table Assigned_To
(empno char(20),
pno char(20),
job_role varchar(20),
primary key(empno,pno),
foreign key(empno) references Employee(empno) on delete cascade,
foreign key(pno) references Project(pno) on delete cascade
);
create table Incentives
(empno char(20),
incentive_date date,
incentive_amount int,
primary key(empno,incentive_date),
foreign key(empno) references Employee(empno) on delete cascade
);
show tables;
desc Employee;
desc DEPT;
desc Project;
desc Assigned_To;
desc Incentives;
```

## • Enter greater than five tuples for each table.

insert into dept values('D1','Business Development','Bangalore'),('D2','Sales & Marketing ','Hyderbad'),('D3','Development','Mysore'),

('D4','Accounts and Finance','Kundapura'),('D5','HR','Udupi'),('D6','R&D','Mangalore'); select \* from dept;



insert into employee values ('E01','Virat Kohli','M1','2010-11-11','5000','D1'),('E02','AB de Villiers','M1','2011-07-03','10000','D1'),

('E03','MS Dhoni','M2','2017-03-13','3000','D2'),('E04','KL Rahul','M2','2015-03-02','6000','D3'),

('E05','Rishab Panth','M5','2012-08-21','5000','D4'),('E06','Dinesh Karthik','M1','2020-02-02','8900','D1'),

('E07', 'Jadeja', 'M6', '2020-02-02', '8900', 'D2');

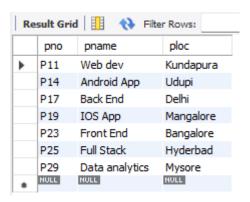
select \* from Employee;



insert into project values('P23','Front End','Bangalore'),('P17','Back End','Delhi'),('P25','Full Stack','Hyderbad'),

('P14','Android App','Udupi'),('P19','IOS App','Mangalore'),('P11','Web dev','Kundapura'),('P29','Data analytics','Mysore');

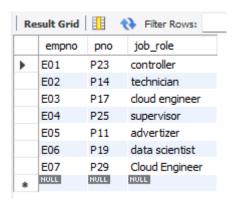
select \* from project;



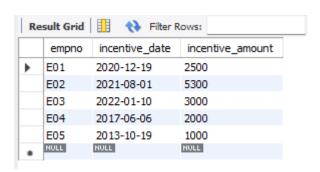
insert into assigned\_to values('E01','P23','controller'),('E02','P14','technician'),('E03','P17','cloud engineer'),

('E04','P25','supervisor'),('E05','P11','advertizer'),('E06','P19','data scientist'),('E07','P29','Cloud Engineer');

select \* from assigned\_to;

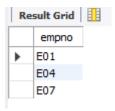


insert into incentives values('E01','2020-12-19','2500'),('E02','2021-08-01','5300'), ('E03','2022-01-10','3000'),('E04','2017-06-06','2000'),('E05','2013-10-19','1000'); select \* from incentives;



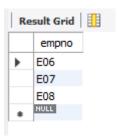
• Retrieve the employee numbers of all employees who work on project located in Bengaluru, Hyderabad, or Mysuru

select a.empno
from assigned\_to a
where a.pno in (select a.pno
from project p, assigned\_to a
where p.pno=a.pno
and p.ploc in('Bangalore','Hyderbad','Mysore'));



## • Get Employee ID's of those employees who didn't receive incentives

select empno from employee where empno not in(select incentives.empno from employee cross join incentives on employee.empno=incentives.empno);



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,d.dname,a.job\_role,d.dloc,p.ploc from employee e, dept d, assigned\_to a, project p where d.dept\_no=e.dept\_no and e.empno=a.empno and a.pno=p.pno and p.ploc=d.dloc;

