**Zayd Ahmed**

**1BM21CS254**

**WEEK 6**

create database employeees;

use employeees;

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);

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);

insert into dept values(100,'IT','mysore');

insert into dept values(200,'Marketing','patna');

insert into dept values(300,'HR','delhi');

insert into dept values(400,'finance','panaji');

insert into dept values(500,'logistics','bangalore');

insert into dept values(600,'accounts','ahmedebad');

insert into dept values(700,'design','hydrebad');

insert into project values(10,'mysore','alpha');

insert into project values(20,'patna','beta');

insert into project values(30,'delhi','gama');

insert into project values(40,'panaji','delta');

insert into project values(50,'bangalore','omega');

insert into project values(60,'ahmedebad','sin');

insert into employee values(01,'charlie',11,'2001-01-01',10000,500);

insert into employee values(02,'michel',22,'2002-02-02',15000,100);

insert into employee values(03,'suzan',33,'2003-03-03',20000,300);

insert into employee values(04,'velvet',44,'2004-04-04',25000,200);

insert into employee values(05,'june',55,'2005-05-05',30000,500);

insert into employee values(06,'july',66,'2006-06-06',35000,500);

insert into employee values(07,'automn',77,'2007-07-07',40000,400);

insert into employee values(08,'daisy',88,'2008-08-08',45000,100);

insert into employee values(09,'april',99,'2009-09-09',50000,200);

insert into employee values(10,'spring',111,'2010-10-10',55000,300);

insert into incentives values(01,'2021-05-11',1000);

insert into incentives values(03,'2022-04-20',1500);

insert into incentives values(05,'2021-09-10',2000);

insert into incentives values(07,'2022-06-21',2500);

insert into incentives values(09,'2021-04-17',3000);

insert into incentives values(10,'2022-10-19',3500);

insert into assigned values(01,20,'architect');

insert into assigned values(02,10,'peon');

insert into assigned values(03,30,'supervisor');

insert into assigned values(04,60,'assistant');

insert into assigned values(05,50,'mason');

insert into assigned values(06,50,'manager');

insert into assigned values(07,40,'medic');

insert into assigned values(08,60,'mechanic');

insert into assigned values(09,30,'engineer');

insert into assigned values(10,30,'maid');

select \* from dept;

select \* from project;

select \* from employee;

select \* from incentives;

select \* from assigned;

update employee set mgr\_no=99 where emp\_no='10';

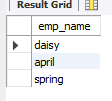
update employee set mgr\_no=1 where emp\_no='1';

**Queries**

1. **List the name of the managers with the maximum employees.**

create view manager\_count (mgr\_no, count) as select mgr\_no, count(mgr\_no) from employee group by mgr\_no;

select employee.emp\_name from employee where mgr\_no = (select mgr\_no from manager\_count where count = (select max(count) from manager\_count));

****

1. **Display those managers name whose salary is more than average salary of his employee.**

select emp\_name from employee e1 where sal> (select avg(sal) from employee e2 where e1.mgr\_no = e2.mgr\_no);

****

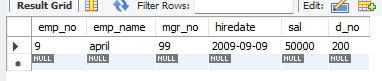
**3. Find the name of the second top level managers of each department.**

select emp\_name from employee where emp\_no in((select distinct mgr\_no from employee));



**4.Find the employee details who got second maximum incentive in January 2019.**

select \* from employee where emp\_no = (select emp\_no from incentives i where i.incentive\_amt < (select max(incentive\_amt) from incentives having incentive\_date like '2021%') order by incentive\_amt desc limit 1);

****

**5. Display those employees who are working in the same department where his manager is working.**

select emp\_name from employee e where d\_no in (select d\_no from employee e1 where e1.mgr\_no=e.emp\_no);

