WEEK-6 (1BM21CS045) EMPLOYEE DATABASE

TO DO

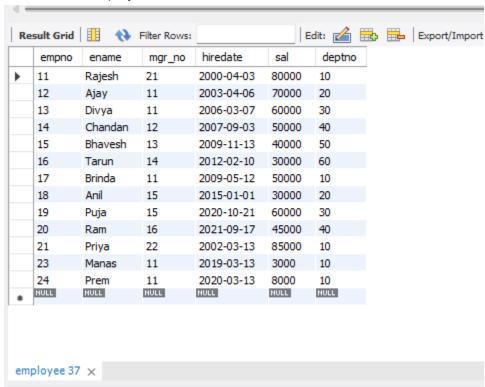
1.Using Scheme diagram, Create tables by properly specifying the primary keys and the foreign keys.

```
create database 1bm21cs045 employee2;
use 1bm21cs045_employee2;
create table dept(
deptno int,
dname varchar(20),
dloc varchar(20),
primary key(deptno)
);
create table employee(
empno int,
ename varchar(20),
mgr no int,
hiredate date.
sal double,
deptno int,
primary key(empno),
foreign key (deptno) references dept(deptno)
on delete cascade
on update cascade
);
create table incentives(
empno int,
incentive_date date,
incentive amount float,
primary key(empno,incentive date),
foreign key (empno) references employee(empno)
on delete cascade
on update cascade
);
create table project(
pno int,
ploc varchar(20),
pname varchar(20),
primary key(pno)
```

```
);
create table assigned to(
empno int,
pno int,
job role varchar(20),
primary key(empno,pno),
foreign key (empno) references employee(empno),
foreign key (pno) references project(pno)
on delete cascade
on update cascade
);
2. Enter greater than five tuples for each table.
insert into dept values(10,'cse','bangalore');
insert into dept values(20, 'ise', 'bangalore');
insert into dept values(30, 'aiml', 'hyderabad');
insert into dept values(40,'ece','mysore');
insert into dept values(50,'eee','delhi');
insert into dept values(60,'iem','chennai');
insert into employee values(11,'Rajesh',21,'2000-04-03',80000,10);
insert into employee values(12,'Ajay',11,'2003-04-06',70000,20);
insert into employee values(13, 'Divya', 11, '2006-03-07', 60000, 30);
insert into employee values(14, 'Chandan', 12, '2007-09-03', 50000, 40);
insert into employee values(15, 'Bhavesh', 13, '2009-11-13', 40000, 50);
insert into employee values(16, 'Tarun', 14, '2012-02-10', 30000, 60);
insert into employee values(17, 'Brinda', 11, '2009-05-12', 50000, 10);
insert into employee values(18,'Anil',15,'2015-01-01',30000,20);
insert into employee values(19,'Puja',15,'2020-10-21',60000,30);
insert into employee values(20, 'Ram', 16, '2021-09-17', 45000, 40);
insert into employee values(21, 'Priya', 22, '2002-03-13', 85000, 10);
insert into incentives values(11,'2012-09-08',40000);
insert into incentives values(12,'2015-07-10',33000);
insert into incentives values(13,'2019-01-21',7000);
insert into incentives values(14,'2019-01-05',8000);
insert into incentives values(15,'2019-01-13',5000);
insert into incentives values(17,'2021-03-17',6000);
insert into incentives values(18,'2021-04-16',8000);
insert into incentives values(19,'2021-08-11',9000);
insert into project values(121, 'bangalore', 'proj1');
insert into project values(122, 'bangalore', 'proj2');
```

```
insert into project values(123,'mysore','proj3'); insert into project values(124,'hyderabad','proj4'); insert into project values(125,'delhi','proj5'); insert into project values(126,'mumbai','proj6'); insert into project values(127,'calicut','proj7'); insert into project values(128,'calicut','proj8'); insert into assigned_to values(11,121,'manager'); insert into assigned_to values(12,122,'team_lead'); insert into assigned_to values(13,123,'analyst'); insert into assigned_to values(14,124,'team_lead'); insert into assigned_to values(15,125,'manager'); insert into assigned_to values(16,126,'programmer'); insert into assigned_to values(17,127,'team_lead'); insert into assigned_to values(19,128,'team_lead');
```

select * from employee



3. List the name of the managers with the maximum employees

select emp.ename from employee emp where emp.empno=(

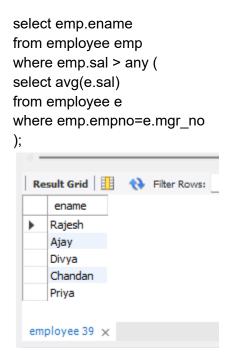
```
select mgr_no
from employee e
group by mgr_no
having count(empno) >= all(
select (count(empno))
from employee
group by mgr_no ));

Result Grid Filter Rows:

ename
Rajesh

employee 38 ×
```

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



5. Find the name of the second top level managers of each department.

select emp.ename from employee emp

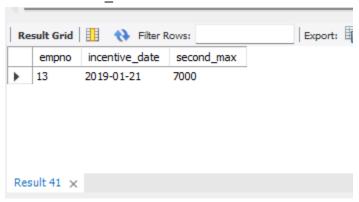
6. Find the employee details who got second maximum incentive in January 2019.

select i.empno, i.incentive_date, max(i.incentive_amount)second_max from incentives i

where i.incentive_date between '2019-01-01' and '2019-01-31' and i.incentive_amount not in(select max(incentive amount)

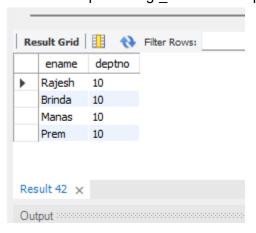
from incentives

where incentive date between '2019-01-01' and '2019-01-31');



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

select e.ename, e.deptno from employee e, employee e2 where e2.empno=e.mgr no and e2.deptno = e.deptno;



Spot query-Find the employee details who got third maximum incentive in January 2019.

