

## Week 6

```
create database Employee;
```

```
use Employee;
```

```
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 double,

primary key(empno,incentive_date),

foreign key(empno) references employee(empno) on update cascade on delete
cascade

);

create table project

(

pno int,

pname varchar(20),

ploc 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) on update cascade on delete
cascade,

foreign key(pno) references project(pno) on update cascade on delete cascade

);

insert into dept values
```

(1,'CSE','bangalore'),  
(2,'ISE','bangalore'),  
(3,'AIML','hyderabad'),  
(4,'ECE','mysuru'),  
(5,'EEE','delhi'),  
(6,'IEM','chennai');  
insert into employee values(10,'Shreesha',21,'2000-03-03',100000,1),  
(20,'Nishanth',10,'2003-02-02',90000,2),  
(30,'Pratheek',10,'2006-03-03',80000,3),  
(40,'Saikiran',20,'2007-07-06',70000,4),  
(50,'Aditi',30,'2009-07-09',60000,5),  
(60,'Nidheesh',40,'2013-08-03',50000,6),  
(70,'Dhanya',40,'2009-08-22',50000,1),  
(80,'Pavan',50,'2015-08-22',50000,2),  
(90,'Preethi',50,'2020-04-22',60000,3),  
(100,'Varshitha',60,'2021-10-22',55000,4);  
insert into incentives values(10,'2002-09-02',30000),  
(20,'2005-06-04',20000),  
(30,'2008-02-25',10000),  
(40,'2014-06-02',5000),  
(50,'2017-09-06',3000),  
(70,'2021-12-06',6000),  
(80,'2021-12-06',4000),  
(90,'2021-12-06',2000);

```
insert into project values(100,'p1','bangalore'),
(200,'p2','bangalore'),
(300,'p3','mysuru'),
(400,'p4','hyderabad'),
(500,'p5','delhi'),
(600,'p6','mumbai'),
(700,'p7','kolkata');




insert into assigned_to values(10,100,'manager'),
(20,200,'teamlead'),
(30,300,'analyst'),
(40,400,'programmer'),
(50,500,'teamlead'),
(60,600,'manager'),
(70,700,'teamlead');
```

## To do:

```
select e1.ename
from employee e1, employee e2
where e1.empno=e2.mgr_no group by e1.ename
having count(e1.mgr_no)=(select count(e1.ename)
from employee e1, employee e2 where e1.empno=e2.mgr_no
group by e1.ename order by count(e1.ename) desc limit 1);
```

```
167 • select e1.ename
168
169 from employee e1, employee e2
170
171 where e1.empno=e2.mgr_no group by e1.ename
172
173 having count(e1.mgr_no)=(select count(e1.ename)
174
175 from employee e1, employee e2 where e1.empno=e2.mgr_no
```

<

Result Grid |  Filter Rows:  | Export:  | Wrap Cell Content: 

	ename
▶	Shreesha
	Saikiran
	Aditi

```
select m.ename from employee m
where m.empno in
(select mgr_no from employee)
and m.sal>(select avg(n.sal) from employee n
where n.mgr_no=m.empno);
```

```

179 • select m.ename from employee m
180
181 where m.empno in
182
183 (select mgr_no from employee)
184
185 and m.sal > (select avg(n.sal) from employee n
186
187 where n.mgr_no = m.empno);

```

Result Grid		Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	ename			
▶	Shreesha			
	Nishanth			
	Pratheek			
	Saikiran			
	Aditi			

select ename from employee where empno in (select distinct mgr\_no  
 from employee where empno in  
 (select distinct mgr\_no from employee where empno in  
 (select distinct mgr\_no from employee)));

```

190 • select ename from employee where empno in (select distinct mgr_no
191
192 from employee where empno in
193
194 (select distinct mgr_no from employee where empno in
195
196 (select distinct mgr_no from employee)));

```

Result Grid		Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	ename			
▶	Shreesha			
	Nishanth			



