Swastik_week6

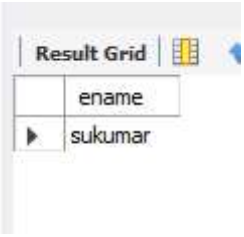
```
create database employee3;
use employee3;


-- 1.department table
create table dept
(dname varchar(30),
deptno varchar(10) primary key,
dloc varchar(30));

-- 2.project table
create table project
(pno int(4) primary key,
ploc varchar(30),
pname varchar(20));

-- 3.employees table
create table emloyees
(empno varchar(20) primary key,
ename varchar(20),
mgrno varchar(20),
hiredate date,
sal int(10),
deptno varchar(30),
foreign key(deptno) references dept(deptno) on delete cascade);

 -- 4.assigned to table
create table assigned
(empno varchar(20),
pno int(4),
jobrole varchar(30),
foreign key(empno) references emloyees(empno) on delete cascade,
foreign key(pno) references project(pno) on delete cascade);

-- 5.incentives table
create table incentives
(empno varchar(20),
incentive_date date primary key,
incentive_amount int(10),
foreign key(empno) references emloyees(empno) on delete cascade);
select * from dept;
```

```
-- inserting values to tables , .
insert into dept
values('Human_Resource','1','bangalore'),('IT','2','hyderbad'),('Finance','3','mysore'),('Operations
_management','4','hasana'),('Marketing','5','udupi'),('Research','6','mangalore');
insert into project
values('11','bangalore','abc'),('12','delhi','def'),('13','hyderbad','ghi'),('14','udupi','jkl'),('15','mangalo
re','mno'),('16','mumbai','pqr');
insert into emloyees
values('e1','subhash','m1','2010-01-11','5000','1'),('e2','sukumar','m1','2013-05-03','10000','2'),

('e3','vijay','m2','2014-03-13','3000','3'),('e4','elon','m2','2015-03-02','6000','4'),('e5','harry','m3','20
13-07-20','5000','5')
                        ,('e6','sudeep','m4','2020-02-02','8900','6');
                        insert into emloyees values('e9','maddy','e2','2010-02-11','5000','1');
                          insert into emloyees values('e10','maddy','e2','2010-02-11','5000','1');
                           insert into emloyees values('e11','hulk','e2','2010-03-11','5000000','2');

                        update emloyees
                        set mgrno='e2'
                        where mgrno='m1';
                             update emloyees
                        set mgrno='e2'
                        where mgrno='m2';
                        select * from  emloyees;

                         update emloyees
                        set mgrno='e11'
                        where mgrno='m4';
                        select * from  emloyees;
                            update emloyees
                        set ename='adi'
                        where empno='e11';
                        select * from  emloyees;

                        insert into employee values(117,'kim',111,'2006-06-10',50000,11);
insert into emloyees values('e12','avinash','e10','2008-08-18',20000,3);
insert into emloyees values('e13','dinesh','e10','2012-12-19',10000,3);
insert into emloyees values('e14','chandan','e9','2003-03-29',300000,2);



     insert into incentives values ('e5','2019-12-09',30000);
insert into incentives values ('e6','2019-04-14',50000);
```

```
insert into incentives values ('e7','2019-10-10',20000);


                    insert into emloyees
values('e7','mohan','m4','2020-01-01','2000',2),('e8','sam','m3','2009-02-03','4000','2');
insert into assigned
values('e1','11','controller'),('e2','12','technician'),('e3','16','ca'),('e4','15','supervisor'),('e5','11','adv
ertizer'),('e6','14','scientist');
insert into assigned values('e7','11','utilizer'),('e8','13','mainperson');
insert into incentives
values('e1','2022-01-18','3000'),('e2','2021-01-01','2300'),('e3','2022-01-10','3400');
insert into incentives values('e4','2014-09-09','0');
```

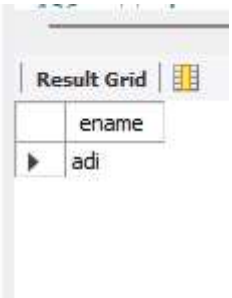
List the name of the managers with the maximum employees.

```
select ename
from emloyees
where empno in (select mgrno
from emloyees group by mgrno having count(empno)=(
 select count(empno) from emloyees group by mgrno order by count(empno) desc limit 1));
```



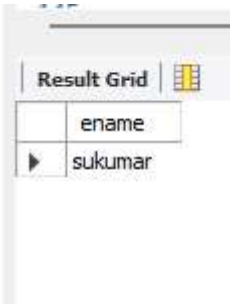
Display those managers name whose salary is more than average salary of his employee.

```
 select a.ename
 from emloyees a
 where a.sal> (select avg(e.sal)
 from emloyees e
 where e.mgrno=a.empno group by e.mgrno);
```



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

```
select ename
from emloyees
where empno in (select distinct mgrno
from emloyees
where empno in (select distinct mgrno from emloyees ));
```

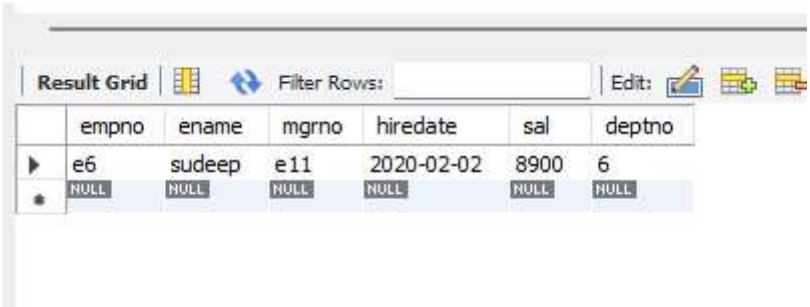


Result Grid

	ename
▶	sukumar

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

```
select * from emloyees
where empno in( select empno from incentives
where incentive_date between '2019-01-01' and '2019-12-31'
and incentive_amount=(select max(incentive_amount) from incentives where incentive_date
between '2019-01-01' and '2019-12-31'));
```



Result Grid | Filter Rows: | Edit:

	empno	ename	mgrno	hiredate	sal	deptno
▶	e6	sudeep	e11	2020-02-02	8900	6
*	NULL	NULL	NULL	NULL	NULL	NULL