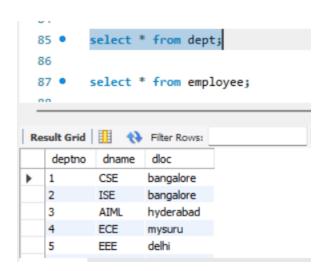
WEEK 5

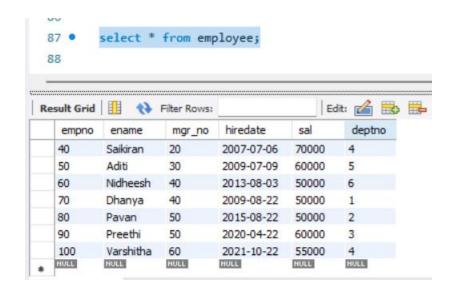
```
create database Employee;
use Employee;
create table dept
deptno int,
dname varchar(20),
dloc varchar(20),
primary key(deptno)
);
create table employee
empno int,
ename varchar(20),
mgr_no int,
hiredate date,
sal double,
deptno int,
primary key(empno),
foreign key (deptno) references dept(deptno) 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
```

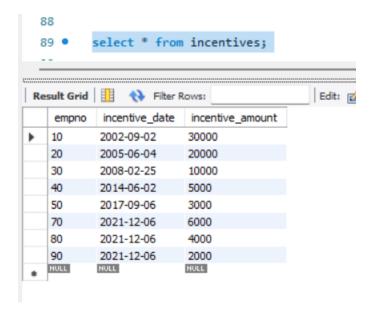
```
(
pno int,
pname varchar(20),
ploc varchar(20),
primary key(pno)
);
create table assigned_to
(
empno int,
pno int,
job_role varchar(20),
primary key(empno,pno),
foreign key(empno) references employee(empno) on update cascade on delete cascade,
foreign key(pno) references project(pno) on update cascade 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),
```

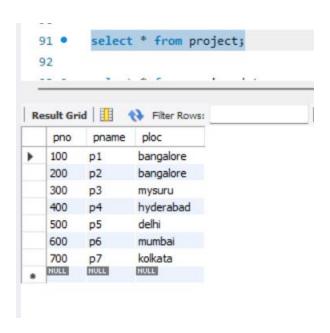
```
(100, 'Varshitha', 60, '2021-10-22', 55000, 4);
insert into incentives values(10,'2002-09-02',30000),
(20, '2005-06-04', 20000),
(30, '2008-02-25', 10000),
(40,'2014-06-02',5000),
(50, '2017-09-06', 3000),
(70, '2021-12-06', 6000),
(80, '2021-12-06', 4000),
(90,'2021-12-06',2000);
insert into project 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');
select * from dept;
select * from employee;
select * from incentives;
select * from project;
```

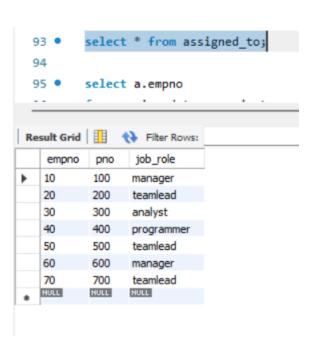
```
select * from assigned_to;
select a.empno
from assigned_to a,project p
where p.pno=a.pno and p.ploc in ('bangalore','hyderabad','mysuru');
select empno
from employee
where empno not in(
select empno
from incentives);
select e.ename, e.empno,d.dname,a.job_role, d.dloc,p.ploc
from employee e, dept d, project p, assigned_to a
where d.deptno=e.deptno and p.pno=a.pno and a.empno=e.empno and p.ploc=d.dloc;
select e.ename,d.dname,a.job_role
from employee e, dept d, assigned_to a
where e.empno in(select empno
from incentives
where incentive_amount =
(select max(incentive_amount)
from incentives
where incentive_date between '2021-01-01' and '2021-12-31'))
and d.deptno=e.deptno and a.empno=e.empno;
```

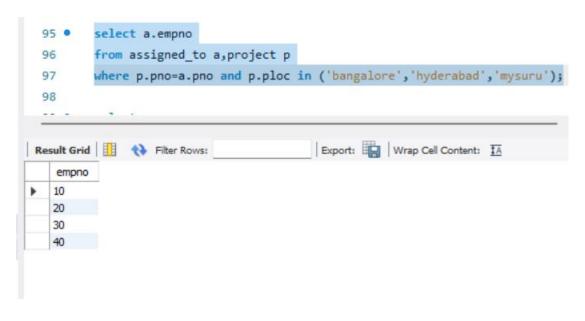


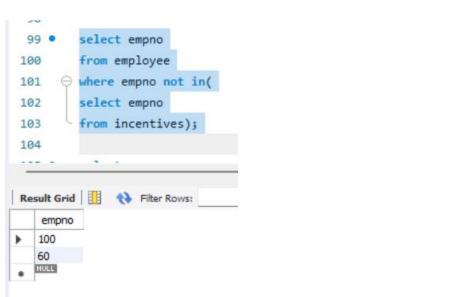


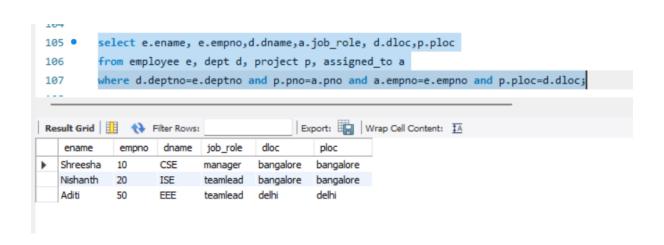












```
select e.ename,d.dname,a.job_role
109 •
110
        from employee e, dept d, assigned_to a
     111
        from incentives
112
        where incentive_amount =
113
     114
        from incentives
115
        where incentive_date between '2021-01-01' and '2021-12-31'))
116
        and d.deptno=e.deptno and a.empno=e.empno;
117
                                   Export: Wrap Cell Content: IA
Result Grid Filter Rows:
   ename
         dname
               job_role
Dhanya
        CSE
               teamlead
```