WEEK-5

```
create database vishal_employee;
use vishal_employee;
create table vishal_employee.project(
pno int,
ploc varchar(40),
pname varchar(40),
PRIMARY KEY(pno)
);
create table vishal_employee.dept(
deptno int,
dname varchar(40),
dloc varchar(40),
PRIMARY KEY(deptno)
);
create table vishal_employee.employe(
empno int,
ename varchar(40),
mgr_no int,
hiredate date,
sal int,
deptno int,
primary key (empno),
foreign key (deptno) references dept(deptno)
);
create table vishal_employee.incentives(
empno int,
incentive_date date,
incentive_amount int,
primary key(incentive_date),
foreign key (empno) references employee(empno)
```

```
);
create table vishal_employee.assigned_to(
empno int,

pno int,
job_role varchar(50),
foreign key (pno) references project(pno),
foreign key (empno) references employee(empno)
);
```

(INSERTION)

```
insert into project values(1,"Bengaluru","Syntax");
insert into project values(2,"Gujurat","Rolex");
insert into project values(3,"Mysuru","Hybrid");
insert into project values(4,"Hyderabad,","Synergy");
insert into project values(5,"Mumbai","Mercury");


insert into dept values(10,"Sales","Bengaluru");
insert into dept values(20,"Finance","West Bengal");
insert into dept values(30,"Marketing","Bihar");
insert into dept values(40,"Purchase","Mumbai");
insert into dept values(50,"Research & Develeopment","Hyderabad");

insert into employee values(100,"Prannay",400,'2003-01-01',100000,10);
insert into employee values(200,"Farhaan",500,'2004-02-02',100500,50);
insert into employee values(300,"Sanika",100,'2003-01-21',200500,30);
insert into employee values(400,"Sakshi", NULL ,'2008-02-17',300500,40);
insert into employee values(500,"Nishith",300,'2004-03-05',200700,40);
insert into employee values(600,"Sohan",200,'2005-11-01',200000,20);
insert into employee values(700,"Mahima",200,'2005-11-21',200900,20);
```

SET FOREIGN_KEY_CHECKS=0;

SET GLOBAL FOREIGN_KEY_CHECKS=0;

insert into incentives values(100,'2012-02-17',6000);

insert into incentives values(200,'2012-05-21',7000);

insert into incentives values(400,'2012-07-25',6500);

insert into incentives values(500,'2013-04-19',7400);

insert into incentives values(600,'2013-08-08',8000);

insert into assigned_to values(100,1, "Project Manager");

insert into assigned_to values(200,1, "Resource Manager");

insert into assigned_to values(300,2, "Business Analyst");

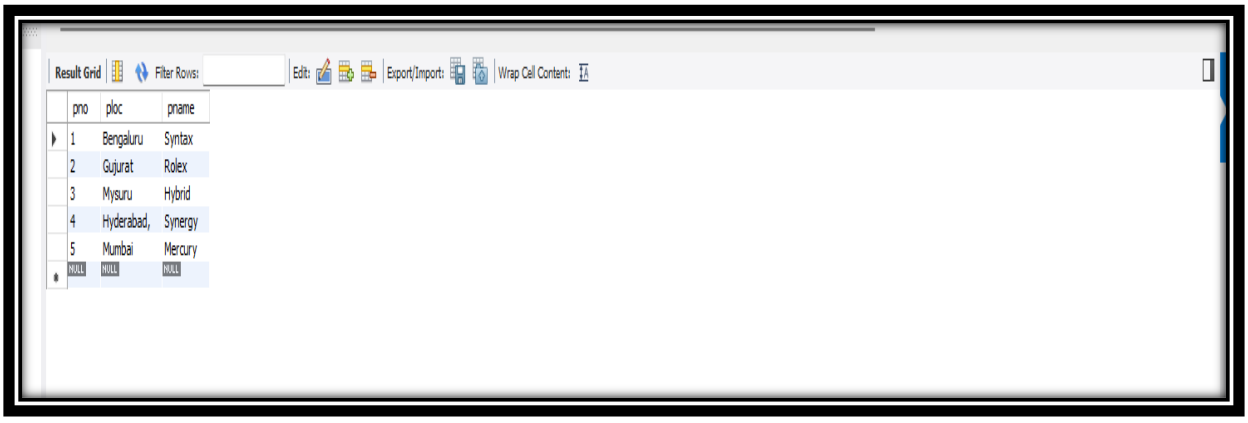
insert into assigned_to values(400,3, "Business Analyst");

insert into assigned_to values(500,3, "Project Manager");

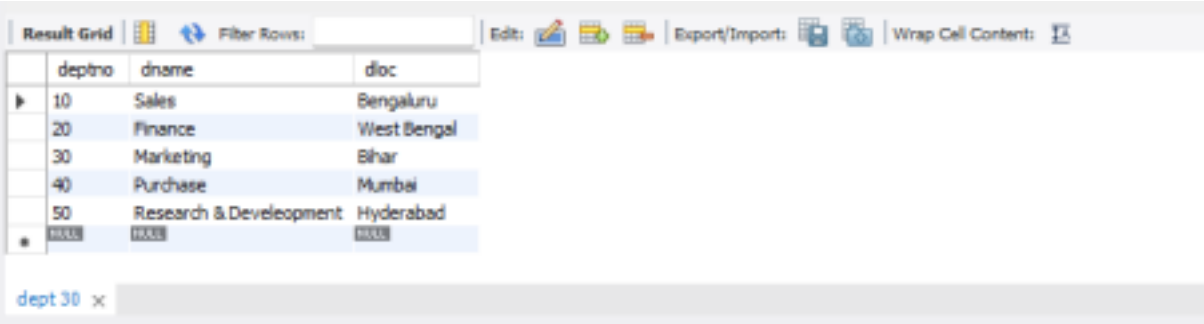
insert into assigned_to values(600,5, "Resource Manager");

• SELECTION

select * from project;



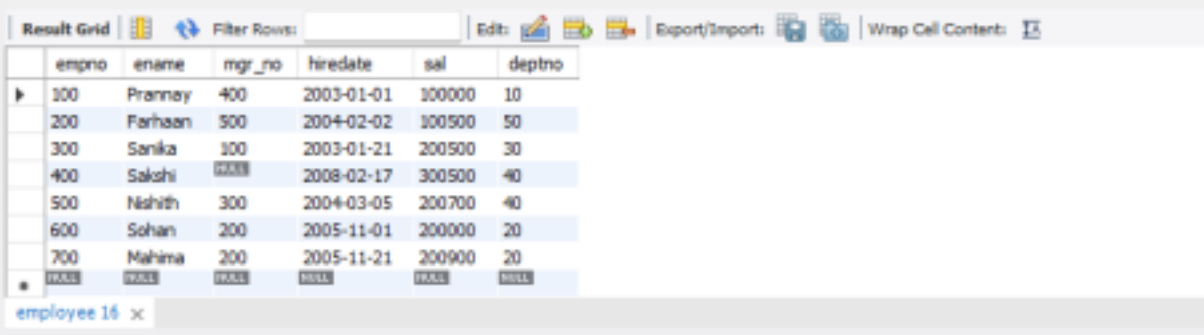
select * from dept;



deptno	dname	dloc
10	Sales	Bengaluru
20	Finance	West Bengal
30	Marketing	Bihar
40	Purchase	Mumbai
50	Research & Develeopment	Hyderabad
NULL	NULL	NULL

dept 30

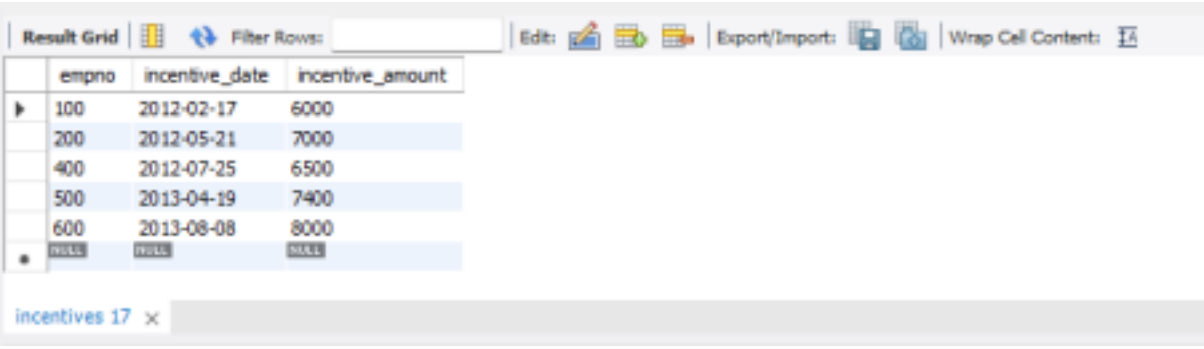
select * from employee;



empno	ename	mgr_no	hiredate	sal	deptno
100	Prannay	400	2003-01-01	100000	10
200	Farhaan	500	2004-02-02	100500	50
300	Sanika	100	2003-01-21	200500	30
400	Sakshi	NULL	2008-02-17	300500	40
500	Nishith	300	2004-03-05	200700	40
600	Sohan	200	2005-11-01	200000	20
700	Mahima	200	2005-11-21	200900	20
NULL	NULL	NULL	NULL	NULL	NULL

employee 16

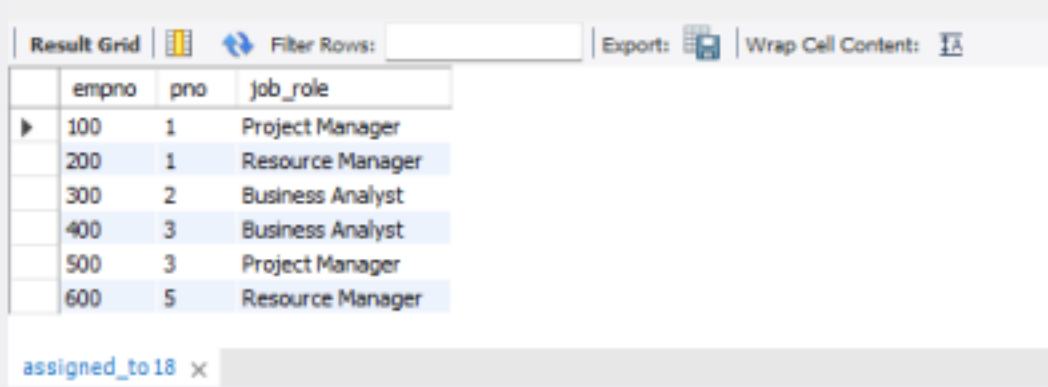
select * from incentives;



empno	incentive_date	incentive_amount
100	2012-02-17	6000
200	2012-05-21	7000
400	2012-07-25	6500
500	2013-04-19	7400
600	2013-08-08	8000
NULL	NULL	NULL

incentives 17

select * from assigned_to;

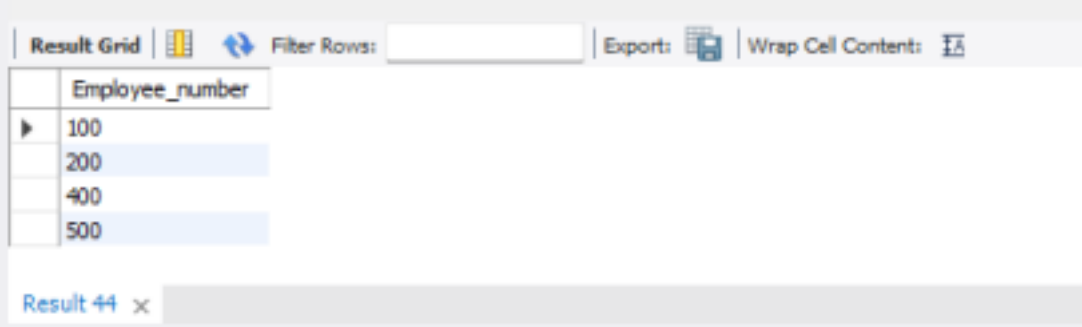


empno	pno	job_role
100	1	Project Manager
200	1	Resource Manager
300	2	Business Analyst
400	3	Business Analyst
500	3	Project Manager
600	5	Resource Manager

assigned_to 18

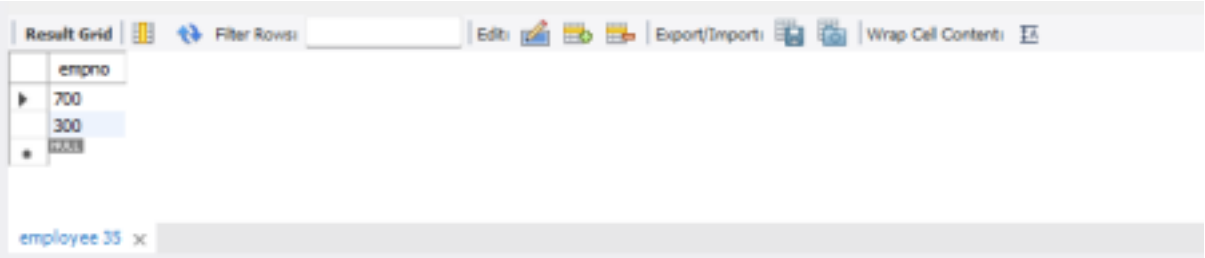
3. Retrieve the employee numbers of all employees who work on project located in Bengaluru, Hyderabad, or Mysuru.

```
select a.empno Employee_number from project p, assigned_to a
where p.pno=a.pno and p.ploc in("Hyderabad","Bengaluru","Mysuru");
```



4) Get Employee ID's of those employees who didn't receive incentives

```
select e.empno from employee e
where e.empno NOT IN
(select i.empno from incentives i);
```



5.Write a SQL query to find the employees name, number, dept, job_role, department location and project location who are working for a project location same as his/her department location.

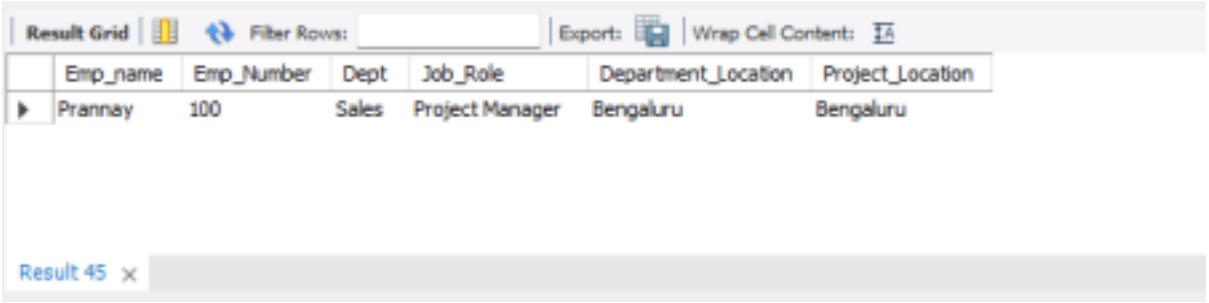
```
select e.ename Emp_name, e.empno Emp_Number, d.dname Dept,
a.job_role Job_Role, d.dloc Department_Location, p.ploc
```

Project_Location

from project p, dept d, employee e, assigned_to a

where e.empno=a.empno and p.pno=a.pno and e.deptno=d.deptno and

p.ploc=d.dloc;



Emp_name	Emp_Number	Dept	Job_Role	Department_Location	Project_Location
Prannay	100	Sales	Project Manager	Bengaluru	Bengaluru