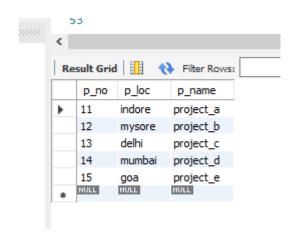
Week 5

1. Using Scheme diagram, Create tables by properly specifying the primary keys and the foreign keys. create database employee_2; use employee_2; create table project(p_no int, p_loc varchar(15), p_name varchar(15), primary key(p_no)); create table dept(dept_no int, d_name varchar(15), d_loc varchar(15), primary key(dept_no)); create table employee(emp_no int, e_name varchar(15), mgr_no int,

hire_date date,

```
sal int,
dept_no int,
primary key(emp_no,dept_no),
foreign key(dept_no) references dept(dept_no)
);
create table incentives(
emp_no int,
incentive_date date,
incentive_amount int,
primary key(emp_no),
foreign key(emp_no) references employee(emp_no)
);
create table assigned_to(
emp_no int,
p_no int,
job_role varchar(15),
primary key(emp_no,p_no),
foreign key(emp_no) references employee(emp_no),
foreign key(p_no) references project(p_no)
);
2. Enter greater than five tuples for each table.
insert into project values
(11, 'indore', 'project_a'),
```

```
(12,'mysore','project_b'),
(13,'delhi','project_c'),
(14,'mumbai','project_d'),
(15,'goa','project_e');
Select * from project;
```



insert into dept values

(01, 'research', 'indore'),

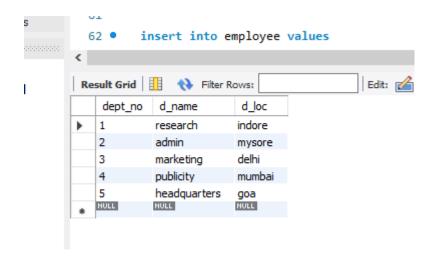
(02, 'admin', 'mysore'),

(03, 'marketing', 'delhi'),

(04, 'publicity', 'mumbai'),

(05, 'headquarters', 'goa');

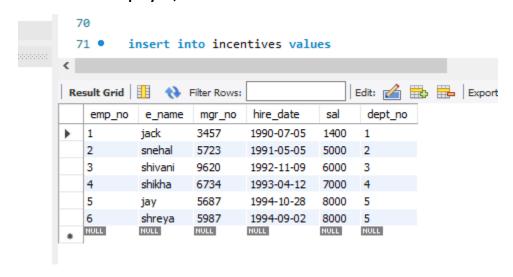
Select * from dept;



insert into employee values

- (1,'jack',3457,'1990-07-05',1400,01),
- (2,'snehal',5723,'1991-05-05',5000,02),
- (3,'shivani',9620,'1992-11-09',6000,03),
- (4,'shikha',6734,'1993-04-12',7000,04),
- (5,'jay',5687,'1994-10-28',8000,05),
- (6,'shreya',5987,'1994-09-02',8000,05);

select * from employee;



insert into incentives values

(1,'1986-04-05',1200),

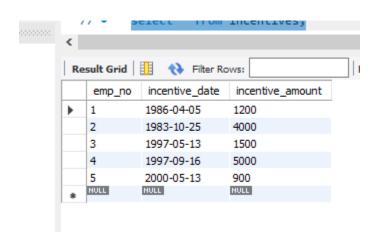
(2,'1983-10-25',4000),

(3,'1997-05-13',1500),

(4,'1997-09-16',5000),

(5,'2000-05-13',900);

select * from incentives;



insert into assigned_to values

(1,11,'assistant'),

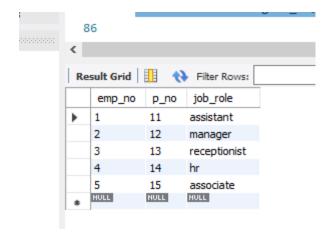
(2,12, 'manager'),

(3,13,'receptionist'),

(4,14,'hr'),

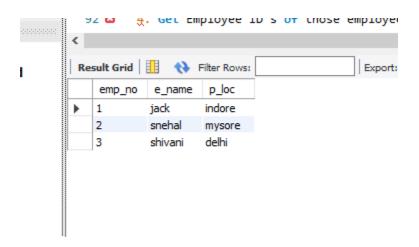
(5,15,'associate');

select * from assigned_to;

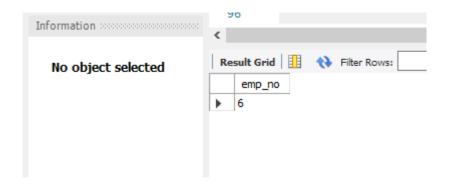


3. Retrieve the employee numbers of all employees who work on project located in indore, mysore, delhi.

select a.emp_no, e.e_name, p.p_loc
from employee e , assigned_to a, project p
where a.p_no = p.p_no and e.emp_no=a.emp_no and p.p_loc in('indore','delhi','mysore');



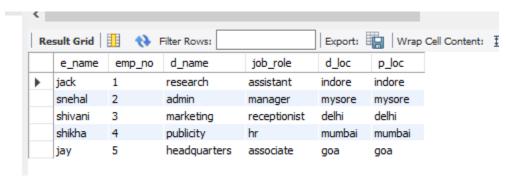
4. Get Employee ID's of those employees who didn't receive incentives select e.emp_no from employee e where e.emp_no not in (select i.emp_no from incentives i);



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.e_name, e.emp_no, d.d_name,a.job_role,d.d_loc, p.p_loc
from project p, dept d, employee e, assigned_to a

where e.emp_no = a.emp_no and p.p_no = a.p_no and e.dept_no=d.dept_no and p.p_loc = d.d_loc;



On Spot Query

find name of employee, dept_name, job role of employee who recieve highest incentive in the year 1997.

select distinct e.e_name,d.d_name,a.job_role from employee e, dept d, assigned_to a,incentives i where

e.emp_no = a.emp_no and e.emp_no = i.emp_no and e.dept_no = d.dept_no and i.incentive_amount= (select max(i.incentive_amount) from incentives i where incentive_date between'1997-1-1' and '1997-12-31');

