**LAB-5**

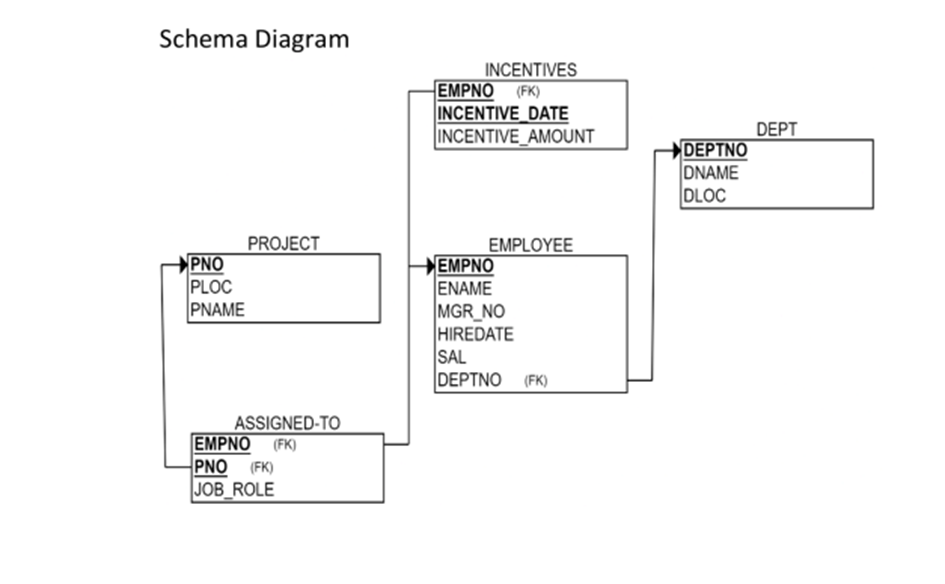
**Employee Database**

**Question**

**(Week 5)**

1. Using Scheme diagram, Create tables by properly specifying the primary keys and the foreign keys.
2. Enter greater than five tuples for each table.
3. Retrieve the employee numbers of all employees who work on project located in Bengaluru, Hyderabad, or Mysuru
4. Get Employee ID’s of those employees who didn’t receive incentives
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.

**Schema Diagram**



**Create database**

create database employee\_database\_101;

use employee\_database\_101;

**Create table**

create table project\_101(

pno int primary key,

ploc varchar(20),

pname varchar(20));

create table dept\_101(

deptno int primary key,

dname varchar(30),

dloc varchar(20));

create table employee\_101(

empno int primary key,

ename varchar(20),

mgr\_no int,

hiredate date,

sal double,

deptno int,

foreign key(deptno) references dept\_101(deptno));

create table assigned\_to\_101(

empno int primary key,

pno int,

job\_role varchar(20),

foreign key(empno) references employee\_101(empno),

foreign key(pno) references project\_101(pno));

create table incentives\_101(

empno int,

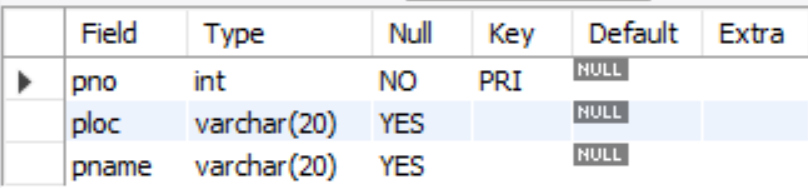
incentive\_date date primary key,

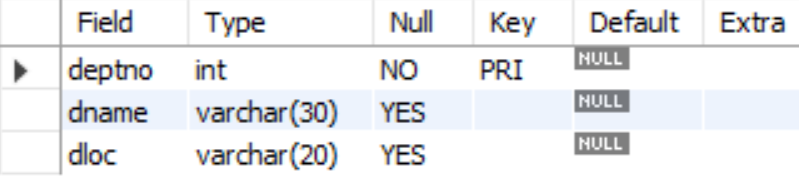
incentive\_amount double,

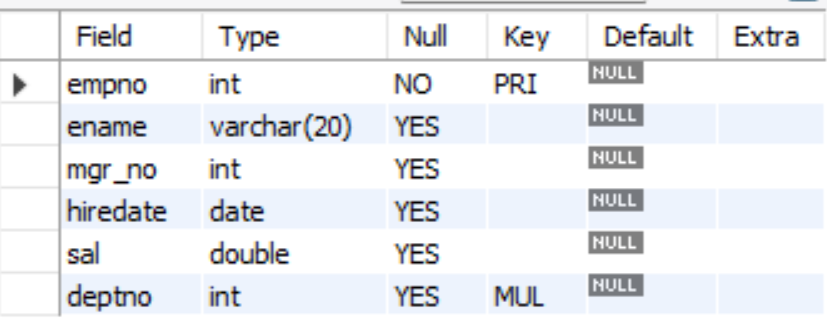
foreign key(empno) references employee\_101(empno));

**Structure of the table**

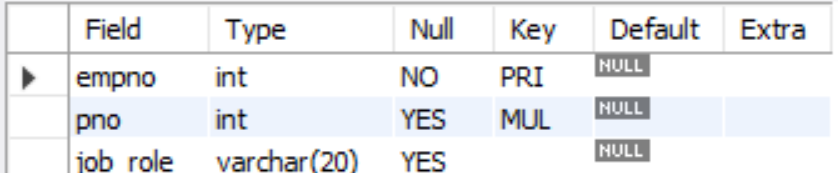
desc project\_101;

desc dept\_101;

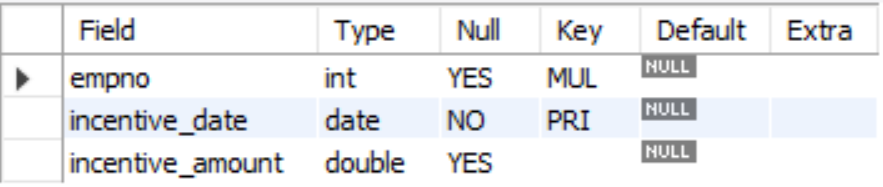


desc employee\_101;

desc assigned\_to\_101;



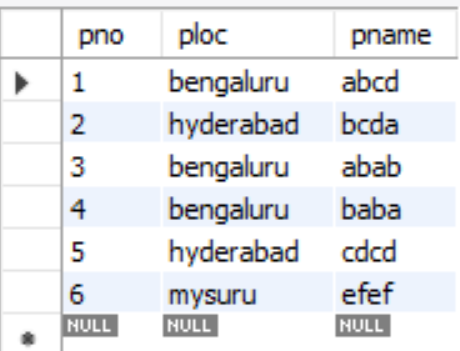
desc incentives\_101;



**Inserting Values to the table**

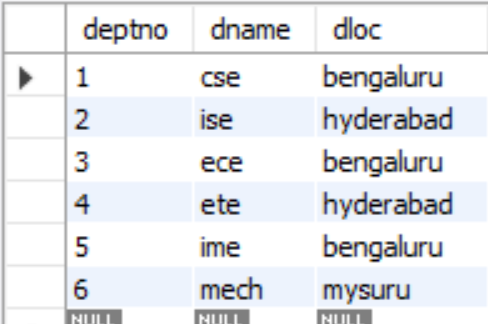
insert into project\_101 values (1,"bengaluru","abcd"), (2,"hyderabad","bcda"), (3,"bengaluru","abab"), (4,"bengaluru","baba"), (5,"hyderabad","cdcd"), (6, "mysuru","efef");

select \* from project\_101;



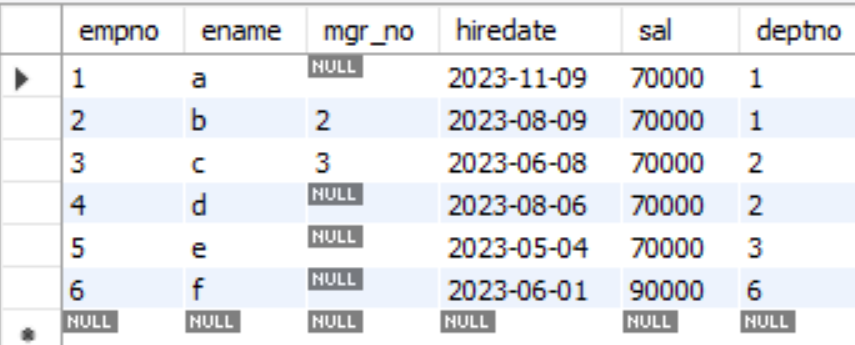
insert into dept\_101 values (1,"cse","bengaluru"), (2,"ise","hyderabad"), (3,"ece","bengaluru"), (4,"ete","hyderabad"), (5,"ime","bengaluru"), (6, "mech", "mysuru");

select \* from dept\_101;



insert into employee\_101 values (1,"a",null,"2023-11-9",70000,1), (2,"b",2,"2023-8-9",70000,1), (3,"c",3,"2023-6-8",70000,2), (4,"d",null,"2023-8-6",70000,2), (5,"e",null,"2023-5-4",70000,3), (6, "f", null, "2023-6-1", 90000, 6);

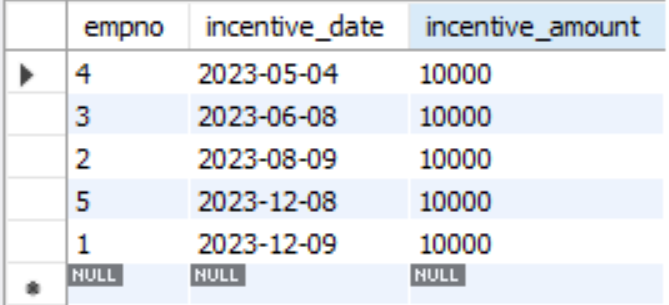
select \* from employee\_101;



insert into incentives\_101 values (1,"2023-12-9",10000), (2,"2023-8-9",10000),

(3,"2023-6-8",10000), (4,"2023-5-4",10000), (5,"2023-12-8",10000);

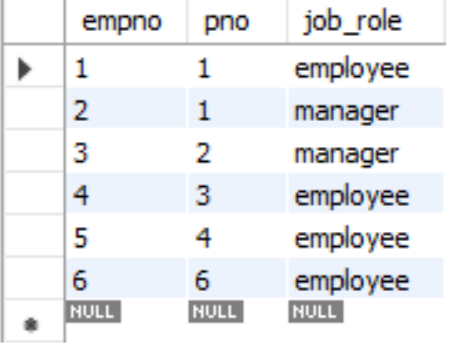
select \* from incentives\_101;



insert into assigned\_to\_101 values (1,1, "employee"), (2,1, "manager"), (3,2, "manager"),

(4,3, "employee"), (5,4, "employee"), (6, 6, "employee");

select \* from assigned\_to\_101;



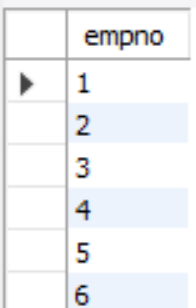
**Queries**

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

select assigned\_to\_101.empno

from assigned\_to\_101, project\_101

where assigned\_to\_101.pno = project\_101.pno and project\_101.ploc in ("bengaluru", "mysuru", "hyderabad");



● **Get Employee ID’s of those employees who didn’t receive incentives**

select empno

from employee\_101

where empno not in (select empno from incentives\_101);



● **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 employee\_101.empno, ename, dname, job\_role, dloc, ploc

from employee\_101, assigned\_to\_101, project\_101, dept\_101

where ploc = dloc and assigned\_to\_101.empno = employee\_101.empno and employee\_101.deptno = dept\_101.deptno and project\_101.pno = assigned\_to\_101.pno;

