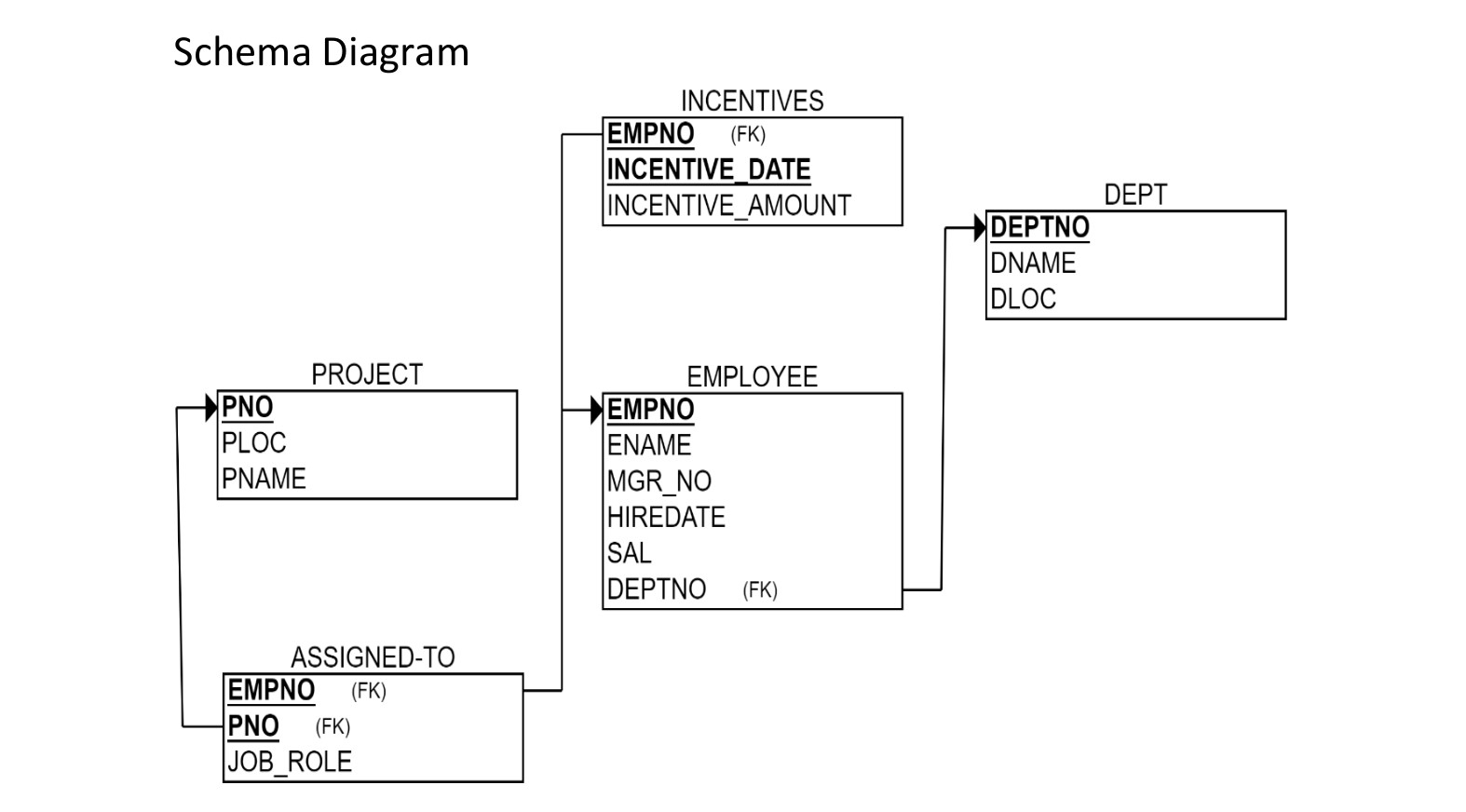
## Employee Database

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\_1BM23CS081;

### use employee\_1BM23CS081;

### Create table

### create table DEPT\_081(

### dept\_no int ,

### dname varchar(30),

### dloc varchar(55),

### primary key(dept\_no));

### create table PROJECT\_081(

### pno int ,

### ploc varchar(30),

### pname varchar(55),

### primary key(pno));

### create table EMPLOYEE\_081(

### empno int ,

### ename varchar(55),

### mgr\_no int,

### hiredate date,

### sal int,

### dept\_no int ,

### primary key(empno),

### foreign key(dept\_no) references DEPT\_081(dept\_no));

### create table INCENTIVES\_081(

### empno int ,

### incentive\_date date,

### incentive\_amount int,

### primary key(empno , incentive\_date ),

### foreign key(empno) references EMPLOYEE\_081(empno));

### create table ASSIGNED\_081(

### empno int,

### pno int,

### job\_role varchar(55),

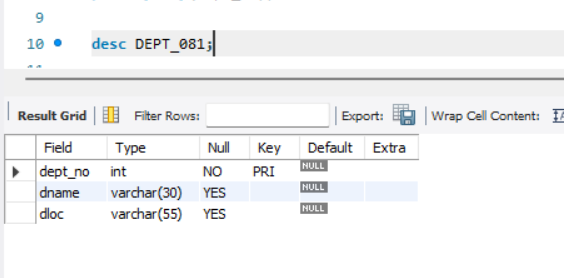
### primary key(empno, pno),

### foreign key(empno) references EMPLOYEE\_081(empno),

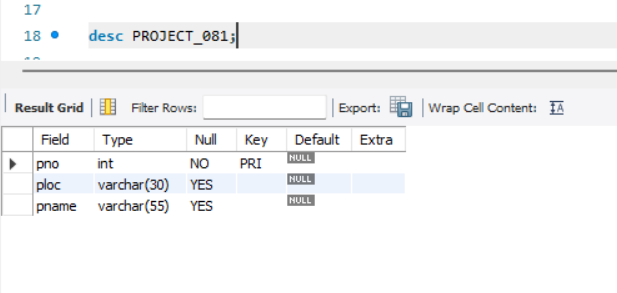
### foreign key(pno) references PROJECT\_081(pno));

### Structure of the table

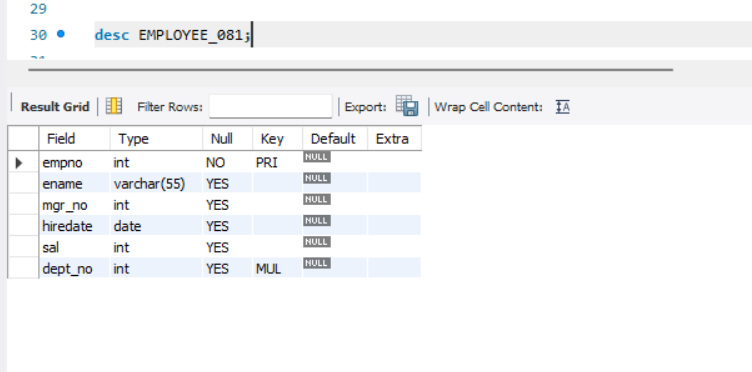
DEPT\_081



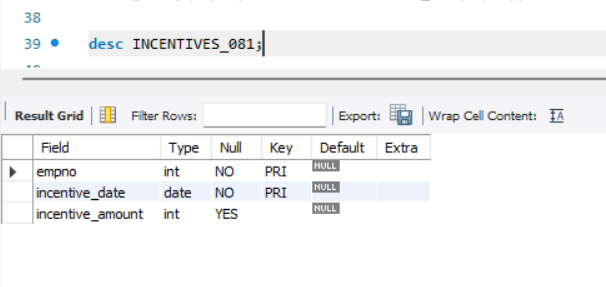
PROJECT\_081



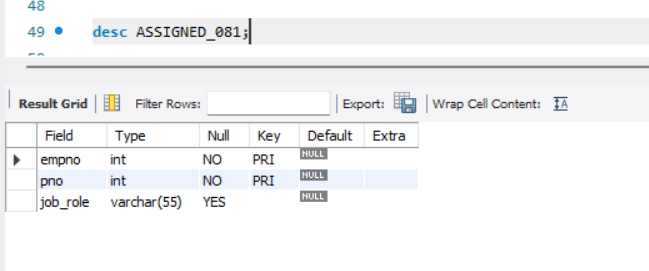
EMPLOYEE\_081



INCENTIVES\_081



ASSIGNED\_081



### Inserting Values to the table

insert into DEPT\_081(dept\_no, dname, dloc)

values (1, "IT", "MUMBAI"),

(2, "AI", "BANGALORE"),

(3, "DATA SCIENCE", "DELHI"),

(4, "ML", "HYDERABAD"),

(5, "ADMINISTRATION", "MYSORE"),

(6, "LEGAL", "MANGALORE");

insert into PROJECT\_081(pno, ploc, pname)

values (1, "BANGALORE", "WEB DEV"),

(2, "MYSORE", "APP DEV"),

(3, "DELHI", "NLP"),

(4, "MUMBAI", "AR GAME"),

(5, "HYDERABAD", "IOT AUTOMATION"),

(6, "BANGALORE", "AI CHATBOT"),

(7, "MUMBAI", "CRYPTO CURRENCY"),

(8, "MYSORE", "TRAFFIC MANAGEMENT");

insert into EMPLOYEE\_081(empno, ename, mgr\_no, hiredate, sal, dept\_no)

values (1, "ABAY", 5, '2024-01-15', 48000, 4),

(2, "JOHN", 1, '2023-03-22', 50000, 1),

(3, "DANIEL", 2, '2022-06-10', 82000, 5),

(4, "DAVID", 8, '2023-09-30', 95000, 6),

(5, "JAMES", 1, '2020-12-05', 55000, 2),

(6, "THOMAS", 5, '2017-11-01', 65000, 1),

(7, "ROBERT", 8, '2019-04-18', 75000, 5),

(8, "LAURA", 2, '2018-08-25', 80000, 3);

insert into INCENTIVES\_081(empno, incentive\_date, incentive\_amount)

values (4, '2024-05-20', 1800),

(3, '2024-06-30', 2500),

(8,'2024-09-18', 1700),

(7, '2024-03-15', 2200),

(1, '2024-02-01', 1950);

insert into ASSIGNED\_081(empno, pno, job\_role)

values (6, 8, "MANAGER"),

(1, 3, "AI RESEACHER"),

(3, 2, "APP DEVELOPER"),

(5, 5, "DEVOPS ENGINEER"),

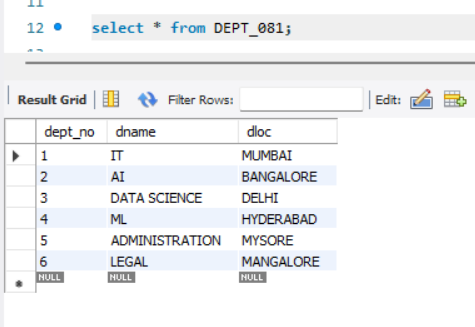
(2, 4, "GAME DEVELOPER"),

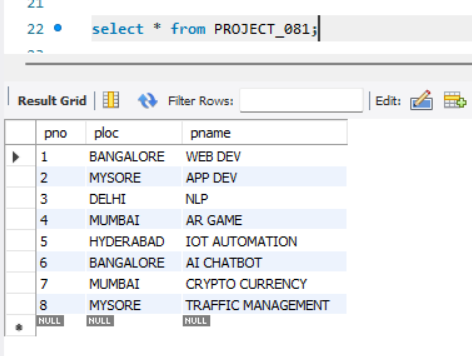
(7, 1, "WEB DEVELOPER"),

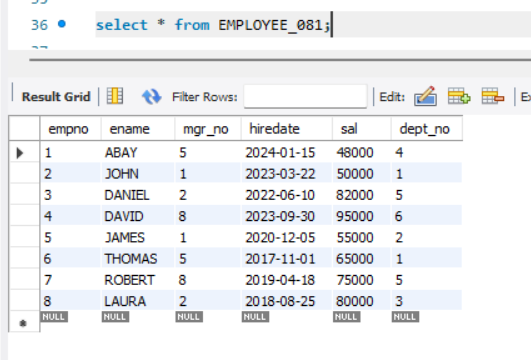
(4, 7, "ANALYST"),

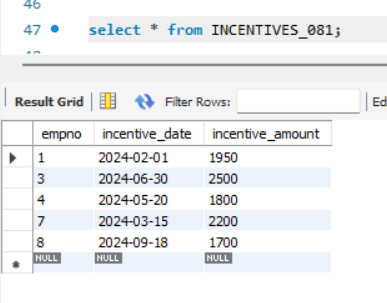
(8, 6, "AIML ENGINEER");

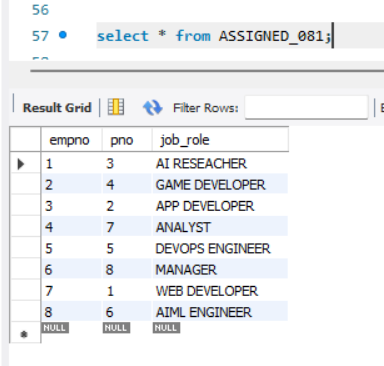
**Inserted Values**

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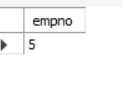
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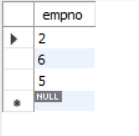
**Queries**

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

**Query :** select ASSIGNED\_081.empno from ASSIGNED\_081, PROJECT\_081 where ASSIGNED\_081.pno = PROJECT\_081.pno and PROJECT\_081.ploc in ("Bengaluru", "Mysuru", "Hyderabad");



**2.Get Employee ID’s of those employees who didn’t receive incentives** Query : select empno from employee\_204 where empno not in (select empno from incentives\_204);



**3.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.**

Query : select e.ename, e.empno, d.dept\_no, a.job\_role, d.dloc, p.ploc

from EMPLOYEE\_081 e, DEPT\_081 d, ASSIGNED\_081 a, PROJECT\_081 p

where e.dept\_no=d.dept\_no and a.empno=e.empno and a.pno=p.pno and p.ploc=d.dloc;

