EMPLOYEE DATABASE→

```
-- Create Database
CREATE DATABASE Employee;
USE Employee;

-- Create Department Table
CREATE TABLE Dept (
   DeptNo INT PRIMARY KEY,
   Dname VARCHAR(30),
   Dloc VARCHAR(50)
);

-- Create Employee Table
CREATE TABLE Employee (
   Eno INT PRIMARY KEY,
   Ename VARCHAR(30) NOT NULL,
   Mgr_No INT,
   Hiredate DATE,
   Sal DECIMAL(10,2),
   DeptNo INT,
   FOREIGN KEY (DeptNo) REFERENCES Dept(DeptNo)
);

-- Create Project Table
CREATE TABLE Project (
   Pno INT PRIMARY KEY,
   Pname VARCHAR(30),
   Ploc VARCHAR(50)
);

-- Create AssignedTo Table (junction table)
```

```
CREATE TABLE AssignedTo (
    Eno INT,
    Pno INT,
    JobRole VARCHAR(50),
    PRIMARY KEY (Eno, Pno),
    FOREIGN KEY (Eno) REFERENCES Employee(Eno),
    FOREIGN KEY (Pno) REFERENCES Project(Pno)
);

-- Create Incentive Table
CREATE TABLE Incentive (
    Eno INT,
    Incentive_Date DATE,
    Incentive_Amount DECIMAL(10,2),
    FOREIGN KEY (Eno) REFERENCES Employee(Eno)
);

-- Insert values into Dept
INSERT INTO Dept (DeptNo, Dname, Dloc)
VALUES
(10, 'HR', 'Mysore'),
(20, 'IT', 'Bangalore'),
(30, 'Finance', 'Delhi'),
(40, 'Marketing', 'Chennai'),
(50, 'Operations', 'Hyderabad');

-- Insert values into Employee
INSERT INTO Employee (Eno, Ename, Mgr_No, Hiredate, Sal, DeptNo)
VALUES
(101, 'Rajesh', NULL, '2019-04-12', 55000.00, 10),
(102, 'Sneha', 101, '2020-07-13', 48000.00, 20),
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```
(103, 'Kiran', 101, '2021-01-25', 42000.00, 30),
(104, 'Priya', 103, '2022-04-14', 39000.00, 40),
(105, 'Arjun', 103, '2023-11-15', 38000.00, 50);

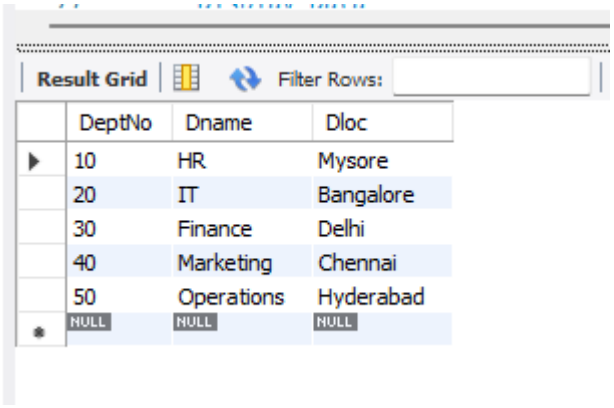
-- Insert values into Project
INSERT INTO Project (Pno, Pname, Ploc)
VALUES
(1, 'Recruitment', 'Mysore'),
(2, 'ERP Upgrade', 'Bangalore'),
(3, 'Audit System', 'Delhi'),
(4, 'Product Launch', 'Chennai'),
(5, 'Logistic Hub', 'Hyderabad');

-- Insert values into AssignedTo
INSERT INTO AssignedTo (Eno, Pno, JobRole)
VALUES
(101, 1, 'Project Manager'),
(102, 2, 'Software Engineer'),
(103, 3, 'Analyst'),
(104, 4, 'Accountant'),
(105, 5, 'Coordinator');

-- Insert values into Incentive
INSERT INTO Incentive (Eno, Incentive_Date, Incentive_Amount)
VALUES
(101, '2024-02-10', 5000.00),
(102, '2024-06-25', 3000.00),
(103, '2024-07-18', 2800.00),
(104, '2024-09-12', 2800.00),
(105, '2024-12-05', 3200.00);
```

-- Display Data

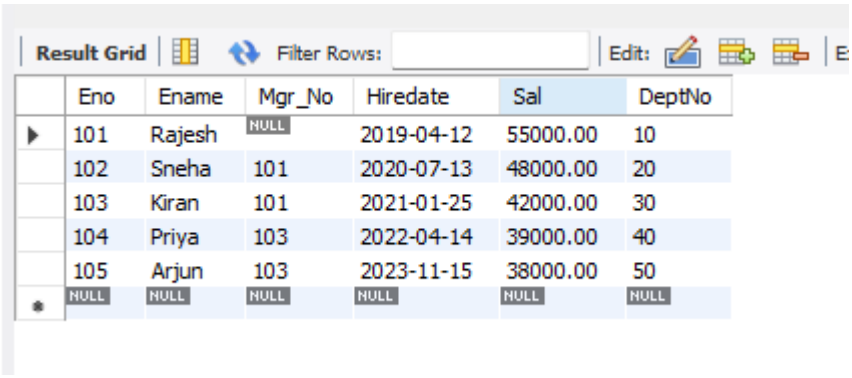
SELECT * FROM Dept;



Result Grid | Filter Rows:

DeptNo	Dname	Dloc
10	HR	Mysore
20	IT	Bangalore
30	Finance	Delhi
40	Marketing	Chennai
50	Operations	Hyderabad
NULL	NULL	NULL

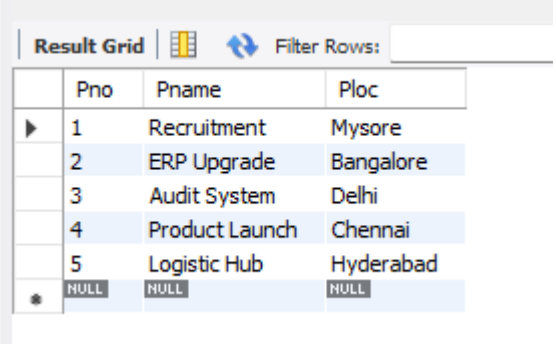
SELECT * FROM Employee;



Result Grid | Filter Rows: | Edit:

Eno	Ename	Mgr_No	Hiredate	Sal	DeptNo
101	Rajesh	NULL	2019-04-12	55000.00	10
102	Sneha	101	2020-07-13	48000.00	20
103	Kiran	101	2021-01-25	42000.00	30
104	Priya	103	2022-04-14	39000.00	40
105	Arjun	103	2023-11-15	38000.00	50
NULL	NULL	NULL	NULL	NULL	NULL

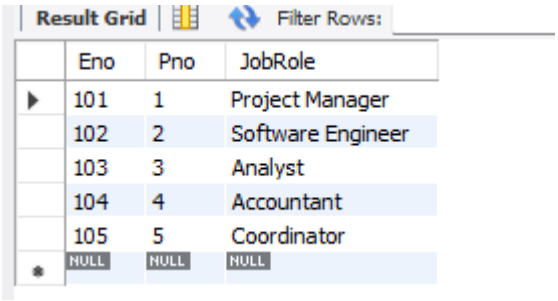
SELECT * FROM Project;



Result Grid | Filter Rows:

Pno	Pname	Ploc
1	Recruitment	Mysore
2	ERP Upgrade	Bangalore
3	Audit System	Delhi
4	Product Launch	Chennai
5	Logistic Hub	Hyderabad
NULL	NULL	NULL

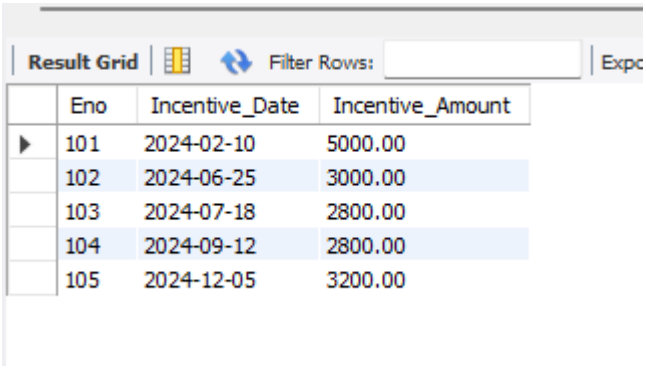
SELECT * FROM AssignedTo;



Result Grid | Filter Rows:

Eno	Pno	JobRole
101	1	Project Manager
102	2	Software Engineer
103	3	Analyst
104	4	Accountant
105	5	Coordinator
NULL	NULL	NULL

SELECT * FROM Incentive;



Eno	Incentive_Date	Incentive_Amount
101	2024-02-10	5000.00
102	2024-06-25	3000.00
103	2024-07-18	2800.00
104	2024-09-12	2800.00
105	2024-12-05	3200.00

-- Queries

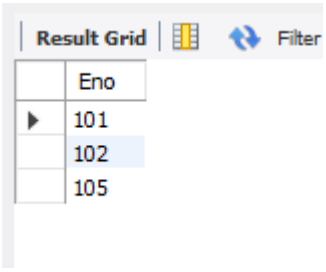
-- Q1. Retrieve Employee numbers of all employees who work on projects in Bangalore, Hyderabad, or Mysore

SELECT DISTINCT A.Eno

FROM AssignedTo A

JOIN Project P ON A.Pno = P.Pno

WHERE P.Ploc IN ('Bangalore', 'Hyderabad', 'Mysore');



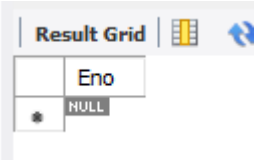
Eno
101
102
105

-- Q2. Get Employee IDs of those employees who didn’t receive an incentive

SELECT Eno

FROM Employee

WHERE Eno NOT IN (SELECT Eno FROM Incentive);

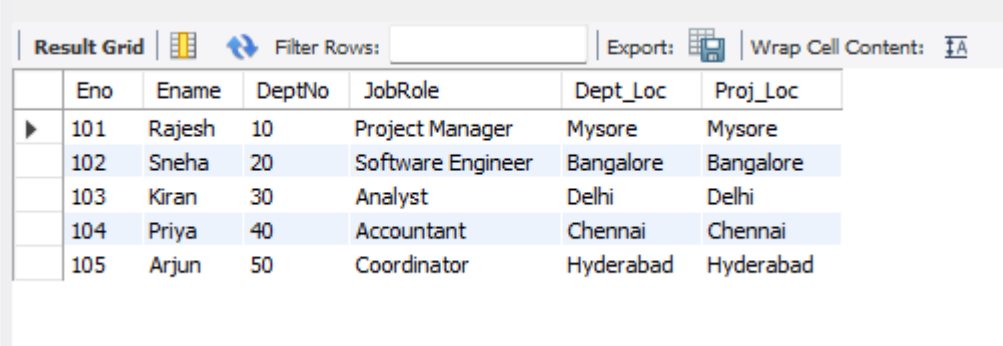


Eno
NULL

-- Q3. Find employee details (name, number, dept, jobrole, department location)

-- who are working on a project in the same location as their department

```
SELECT E.Eno, E.Ename, E.DeptNo, A.JobRole, D.Dloc AS Dept_Loc, P.Ploc AS Proj_Loc
FROM Employee E
JOIN Dept D ON E.DeptNo = D.DeptNo
JOIN AssignedTo A ON E.Eno = A.Eno
JOIN Project P ON A.Pno = P.Pno
WHERE D.Dloc = P.Ploc;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Eno	Ename	DeptNo	JobRole	Dept_Loc	Proj_Loc
101	Rajesh	10	Project Manager	Mysore	Mysore
102	Sneha	20	Software Engineer	Bangalore	Bangalore
103	Kiran	30	Analyst	Delhi	Delhi
104	Priya	40	Accountant	Chennai	Chennai
105	Arjun	50	Coordinator	Hyderabad	Hyderabad