

NAME: SUMANT SHRIDHAR

BATCH: 3K2

DBMS LAB

DATE: 31/10/25

```
create database employeeDB;
```

```
use employeeDB;
```

```
create table Employee(  
    EMPNO INT PRIMARY KEY,  
    ENAME VARCHAR(50),  
    MGR_NO INT,  
    HIREDATE DATE,  
    SAL DECIMAL(10,2),  
    DEPTNO INT,  
    FOREIGN KEY (DEPTNO) references Dept(DEPTNO)  
);
```

```
create table Project(  
    PNO INT PRIMARY KEY,  
    PLOC VARCHAR(50),  
    PNAME VARCHAR(50));
```

```
create table Dept(  
    DEPTNO INT PRIMARY KEY,  
    DNAME VARCHAR(50),  
    DLOC VARCHAR(50));
```

```
create table Incentives(  
    EMPNO INT,  
    INCENTIVE_DATE DATE,  
    INCENTIVE_AMOUNT DECIMAL(10,2),  
    FOREIGN KEY (EMPNO) references Employee(EMPNO));
```

```
create table AssignedTo(  
    EMPNO INT,
```

```
PNO INT,  
JOB_ROLE VARCHAR(50),  
FOREIGN KEY (EMPNO) references Employee(EMPNO),  
FOREIGN KEY (PNO) references Project(PNO));
```

```
INSERT INTO Dept VALUES
```

```
(10, 'HR', 'Bengaluru'),  
(20, 'Finance', 'Hyderabad'),  
(30, 'Engineering', 'Mysuru'),  
(40, 'Marketing', 'Bengaluru'),  
(50, 'Sales', 'Chennai'),  
(60, 'IT Support', 'Kolkata');
```

```
INSERT INTO Employee VALUES
```

```
(101, 'Amar', NULL, '2020-01-15', 75000.00, 30),  
(102, 'Bharat', 101, '2021-03-22', 68000.00, 30),  
(103, 'Ramesh', 101, '2019-07-10', 72000.00, 20),  
(104, 'David', 103, '2022-11-05', 65000.00, 10),  
(105, 'Omkar', 102, '2023-02-18', 60000.00, 40),  
(106, 'Suresh', 103, '2021-08-30', 70000.00, 50),  
(107, 'Tejas', 101, '2020-06-12', 71000.00, 60);
```

```
INSERT INTO Project VALUES
```

```
(201, 'Bengaluru', 'Alpha'),  
(202, 'Hyderabad', 'Beta'),  
(203, 'Mysuru', 'Charlie'),  
(204, 'Bengaluru', 'Delta'),  
(205, 'Chennai', 'Epsilon'),  
(206, 'Kolkata', 'Gamma');
```

INSERT INTO Incentives VALUES

(101, '2023-12-01', 5000.00),  
(102, '2023-11-15', 3000.00),  
(103, '2023-10-20', 4500.00),  
(104, '2023-09-10', 2500.00),  
(105, '2023-08-05', 4000.00),  
(106, '2023-07-25', 3500.00),  
(107, '2023-06-30', 3200.00);

INSERT INTO AssignedTo VALUES

(101, 203, 'Project Manager'),  
(102, 203, 'Developer'),  
(103, 202, 'Analyst'),  
(104, 201, 'HR Executive'),  
(105, 204, 'Marketing Lead'),  
(106, 205, 'Sales Executive'),  
(107, 206, 'Support Engineer');

-- QUERIES

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

SELECT e.EMPNO, p.PLOC  
from Employee e, Project p, AssignedTo a  
WHERE a.PNO=p.PNO and e.EMPNO = a.EMPNO and p.PLOC IN  
("Bengaluru","Hyderabad","Mysuru");

Result Grid			Filter Rows:
	EMPNO	PLOC	
▶	104	Bengaluru	
	103	Hyderabad	
	101	Mysuru	
	102	Mysuru	
	105	Bengaluru	

-- 2.Get Employee ID's of those employees who didn't receive incentives

select EMPNO

FROM Incentives

Where EMPNO NOT IN (SELECT EMPNO FROM INCENTIVES);

Result Grid		Filter Rows:
	EMPNO	

-- 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.

SELECT e.ENAME,e.EMPNO, d.DNAME,d.DLOC,a.JOB\_ROLE, p.PLOC

from Employee e, Dept d, AssignedTo a, Project p

WHERE e.EMPNO=a.EMPNO and p.PNO=a.PNO and e.DEPTNO=d.DEPTNO AND p.PLOC=d.DLOC;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ENAME	EMPNO	DNAME	DLOC	JOB_ROLE	PLOC
▶	David	104	HR	Bengaluru	HR Executive	Bengaluru
	Ramesh	103	Finance	Hyderabad	Analyst	Hyderabad
	Amar	101	Engineering	Mysuru	Project Manager	Mysuru
	Bharat	102	Engineering	Mysuru	Developer	Mysuru
	Omkar	105	Marketing	Bengaluru	Marketing Lead	Bengaluru
	Suresh	106	Sales	Chennai	Sales Executive	Chennai
	Tejas	107	IT Support	Kolkata	Support Engineer	Kolkata

