

EMPLOYEE

```
create database tejas;
```

```
use tejas;
```

```
CREATE TABLE DEPT (
```

```
    DEPTNO INT PRIMARY KEY,
```

```
    DNAME VARCHAR(50),
```

```
    DLOC VARCHAR(50)
```

```
);
```

```
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,
```

```
    PNAME VARCHAR(50),
```

```
    PLOC VARCHAR(50)
```

```
);
```

```
CREATE TABLE ASSIGNED_TO (
```

```
    EMPNO INT,
```

```
    PNO INT,
```

```
    JOB_ROLE VARCHAR(50),
```

```
    PRIMARY KEY (EMPNO, PNO),
```

```
FOREIGN KEY (EMPNO) REFERENCES EMPLOYEE(EMPNO),
FOREIGN KEY (PNO) REFERENCES PROJECT(PNO)
);
CREATE TABLE INCENTIVES (
    EMPNO INT,
    INCENTIVE_DATE DATE,
    INCENTIVE_AMOUNT DECIMAL(10,2),
    FOREIGN KEY (EMPNO) REFERENCES EMPLOYEE(EMPNO)
);
INSERT INTO DEPT VALUES
(10, 'HR', 'Bengaluru'),
(20, 'Finance', 'Hyderabad'),
(30, 'IT', 'Mysuru'),
(40, 'Marketing', 'Chennai'),
(50, 'R&D', 'Delhi');
INSERT INTO EMPLOYEE VALUES
(101, 'Tejas', NULL, '2020-02-15', 55000, 10),
(102, 'Riya', 101, '2019-03-21', 60000, 20),
(103, 'Amit', 101, '2021-07-10', 50000, 30),
(104, 'Sneha', 102, '2022-05-17', 48000, 40),
(105, 'Raj', 103, '2018-01-10', 75000, 50);
INSERT INTO PROJECT VALUES
(1001, 'Payroll System', 'Bengaluru'),
(1002, 'ERP Upgrade', 'Hyderabad'),
(1003, 'Cloud Migration', 'Mysuru'),
(1004, 'Marketing Portal', 'Chennai'),
(1005, 'AI Research', 'Delhi');
INSERT INTO ASSIGNED_TO VALUES
(101, 1001, 'Manager'),
```

```

(102, 1002, 'Analyst'),
(103, 1003, 'Developer'),
(104, 1004, 'Designer'),
(105, 1005, 'Scientist');

INSERT INTO INCENTIVES VALUES

(101, '2023-03-15', 5000),
(103, '2023-04-20', 7000),
(105, '2023-02-25', 8000);

SELECT DISTINCT A.EMPNO

FROM ASSIGNED_TO A

JOIN PROJECT P ON A.PNO = P.PNO

WHERE P.PLOC IN ('Bengaluru', 'Hyderabad', 'Mysuru');

```

OUTPUT:

EMPNO
101
102
103

```

SELECT E.EMPNO

FROM EMPLOYEE E

WHERE E.EMPNO NOT IN (

    SELECT I.EMPNO FROM INCENTIVES I

);

```

OUTPUT:

EMPNO
102
104
NULL

SELECT

```

E.ENAME,
E.EMPNO,
D.DNAME AS DEPARTMENT,
A.JOB_ROLE,
D.DLOC AS DEPT_LOCATION,
P.PLOC AS PROJECT_LOCATION
FROM EMPLOYEE E
JOIN DEPT D ON E.DEPTNO = D.DEPTNO
JOIN ASSIGNED_TO A ON E.EMPNO = A.EMPNO
JOIN PROJECT P ON A.PNO = P.PNO
WHERE D.DLOC = P.PLOC;

```

OUTPUT:

	ENAME	EMPNO	DEPARTMENT	JOB_ROLE	DEPT_LOCATION	PROJECT_LOCATION
►	Tejas	101	HR	Manager	Bengaluru	Bengaluru
	Riya	102	Finance	Analyst	Hyderabad	Hyderabad
	Amit	103	IT	Developer	Mysuru	Mysuru
	Sneha	104	Marketing	Designer	Chennai	Chennai
	Raj	105	R&D	Scientist	Delhi	Delhi