```
create database employee;
use employee;
CREATE TABLE DEPT (
DEPTNO VARCHAR(10) PRIMARY KEY,
DNAME VARCHAR(50) NOT NULL,
DLOC VARCHAR(50)
);
INSERT INTO DEPT VALUES
(10,'HR','Bengaluru'),
(20, 'Finance', 'Hyderabad'),
(30,'IT','Mysuru'),
(40,'Sales','Chennai'),
(50, 'Marketing', 'Pune'),
(60,'R&D','Delhi');
CREATE TABLE PROJECT (
PNO VARCHAR(10) PRIMARY KEY,
PNAME VARCHAR(50),
PLOC VARCHAR(50)
);
INSERT INTO PROJECT VALUES
(1001, 'Payroll System', 'Bengaluru'),
(1002, 'Tax Automation', 'Hyderabad'),
(1003, 'ERP Upgrade', 'Mysuru'),
(1004, 'CRM App', 'Chennai'),
(1005,'Ad Campaign','Pune'),
```

```
(1006, 'AI Research', 'Delhi');
CREATE TABLE EMPLOYEE (
EMPNO VARCHAR(10) PRIMARY KEY,
ENAME VARCHAR(50) NOT NULL,
MGR_NO VARCHAR(10),
HIREDATE DATE,
SAL DECIMAL(10,2),
DEPTNO VARCHAR(10),
FOREIGN KEY (DEPTNO) REFERENCES DEPT (DEPTNO)
);
INSERT INTO EMPLOYEE VALUES
('E101','Aarav',NULL,'2025-01-01',75000.00,'10'),
('E102','Diya','E101','2025-02-01',55000.00,'20'),
('E103','Ravi','E101','2025-02-15',60000.00,'30'),
('E104','Kiran','E103','2025-03-01',50000.00,'30'),
('E105','Meena','E101','2025-03-10',52000.00,'40'),
('E106','Rohit','E101','2025-04-01',70000.00,'60');
CREATE TABLE INCENTIVES (
EMPNO VARCHAR(10),
INCENTIVE_DATE DATE,
INCENTIVE_AMOUNT DECIMAL(10, 2),
PRIMARY KEY (EMPNO, INCENTIVE_DATE),
FOREIGN KEY (EMPNO) REFERENCES EMPLOYEE (EMPNO)
);
```

INSERT INTO INCENTIVES VALUES

```
('E101','2025-01-15',5000),
('E102','2025-02-20',3000),
('E104','2025-03-10',2500),
('E105','2025-03-15',2000),
('E106','2025-04-01',6000),
('E101','2025-05-01',1500);
CREATE TABLE ASSIGNED_TO (
EMPNO VARCHAR(10),
PNO VARCHAR(10),
JOB_ROLE VARCHAR(50),
PRIMARY KEY (EMPNO, PNO),
FOREIGN KEY (EMPNO) REFERENCES EMPLOYEE (EMPNO),
FOREIGN KEY (PNO) REFERENCES PROJECT (PNO)
);
INSERT INTO ASSIGNED_TO VALUES
('E101',1001,'Manager'),
('E102',1002,'Analyst'),
('E103',1003,'Developer'),
('E104',1003,'Tester'),
('E105',1004,'Sales Executive'),
('E106',1006,'Researcher');
SELECT e.EMPNO
FROM EMPLOYEE e, PROJECT p, ASSIGNED_TO a
WHERE a.PNO=P.PNO AND a.EMPNO=e.EMPNO AND p.PLOC IN ('BENGALURU', 'HYDERABAD',
'MYSURU');
```

	EMPNO		
١	E101		
	E102		
	E103		
	E104		

SELECT e.EMPNO

FROM EMPLOYEE e

WHERE NOT EXISTS(SELECT 'X'

FROM INCENTIVES i

WHERE e.EMPNO=i.EMPNO);



SELECT e.ENAME, e.EMPNO, d.DNAME, A.JOB_ROLE, d.DLOC, p.PLOC
FROM EMPLOYEE e, DEPT d, PROJECT p, ASSIGNED_TO a
WHERE e.EMPNO=a.EMPNO AND a.PNO=p.PNO AND e.DEPTNO=d.DEPTNO AND
D.DLOC=P.PLOC;

	ENAME	EMPNO	DNAME	JOB_ROLE	DLOC	PLOC
•	Aarav	E101	HR	Manager	Bengaluru	Bengaluru
	Diya	E102	Finance	Analyst	Hyderabad	Hyderabad
	Ravi	E103	Π	Developer	Mysuru	Mysuru
	Kiran	E104	IT	Tester	Mysuru	Mysuru
	Meena	E105	Sales	Sales Executive	Chennai	Chennai
	Rohit	E106	R&D	Researcher	Delhi	Delhi