TABELE CREATIONS

```
-- create database  company2;
use company2;
-- CREATE TABLE Dept (
--     DEPTNO INT PRIMARY KEY,
--     DNAME VARCHAR(100),
--     DLOC VARCHAR(100)
-- );


-- CREATE TABLE Employee (
--     EMPNO INT PRIMARY KEY,
--     ENAME VARCHAR(100),
--     MGR_NO INT,
--     HIREDATE DATE,
--     SAL DECIMAL(10, 2),
--     DEPTNO INT,
--     FOREIGN KEY (DEPTNO) REFERENCES Dept(DEPTNO)
-- );


-- CREATE TABLE Incentives (
--     EMPNO INT,
--     INCENTIVE_DATE DATE,
--     INCENTIVE_AMOUNT DECIMAL(10, 2),
--     PRIMARY KEY (EMPNO, INCENTIVE_DATE),
--     FOREIGN KEY (EMPNO) REFERENCES Employee(EMPNO)
-- );

-- CREATE TABLE Project (
--     PNO INT PRIMARY KEY,
--     PLOC VARCHAR(100),
--     PNAME VARCHAR(100)
-- );


-- CREATE TABLE Assigned_To (
--     EMPNO INT,
--     PNO INT,
--     JOB_ROLE VARCHAR(100),
--     PRIMARY KEY (EMPNO, PNO),
--     FOREIGN KEY (EMPNO) REFERENCES Employee(EMPNO),
--     FOREIGN KEY (PNO) REFERENCES Project(PNO)
-- );

```

Values insertion

```
-- INSERT INTO Dept (DEPTNO, DNAME, DLOC) VALUES
-- (1, 'Computer Science', 'Bangalore'),
-- (2, 'Mechanical Engineering', 'Hyderabad'),
-- (3, 'Electrical Engineering', 'Chennai'),
-- (4, 'Civil Engineering', 'Mumbai'),
-- (5, 'Biotechnology', 'Pune');


-- INSERT INTO Employee (EMPNO, ENAME, MGR_NO, HIREDATE, SAL, DEPTNO) VALUES
-- (1001, 'John Doe', 2001, '2020-01-15', 55000, 1),
-- (1002, 'Jane Smith', 2002, '2021-03-22', 60000, 2),
-- (1003, 'Tom Brown', 2001, '2019-07-11', 58000, 3),
-- (1004, 'Lucy White', 2003, '2022-11-25', 62000, 4),
-- (1005, 'Mark Green', 2004, '2023-05-30', 65000, 5);


-- INSERT INTO Incentives (EMPNO, INCENTIVE_DATE, INCENTIVE_AMOUNT) VALUES
-- (1001, '2023-12-15', 3000),
-- (1002, '2024-01-20', 3500),
-- (1003, '2023-11-10', 3200),
-- (1004, '2023-10-05', 4000),
-- (1005, '2024-02-18', 4500);

    -- INSERT INTO Project (PNO, PLOC, PNAME) VALUES
    -- (101, 'Bangalore', 'AI Research'),
    -- (102, 'Hyderabad', 'Blockchain Project'),
    -- (103, 'Chennai', 'Cloud Computing'),
    -- (104, 'Mumbai', 'Quantum Computing'),
    -- (105, 'Pune', 'Autonomous Vehicles');


    -- INSERT INTO Assigned_To (EMPNO, PNO, JOB_ROLE) VALUES
    -- (1001, 101, 'Lead Developer'),
    -- (1002, 102, 'Project Manager'),
    -- (1003, 103, 'Software Engineer'),
    -- (1004, 104, 'Research Scientist'),
    -- (1005, 105, 'System Architect');
```

QUERIES

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

```
86  select a.EMPNO
87  from Assigned_To a
88  join Project p ON p.PNO=a.PNO
89  where PLOC in ("Bangalore","Mysuru","Hyderabad");
90
91  -- select e.EMPNO
92  -- from employee e
```

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

EMPNO
1001
1002

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

```
91  select e.EMPNO
92  from employee e
93  where e.EMPNO not in (select i.EMPNO
94                        from Incentives i)
95
```

Result Grid | Filter Rows: | Edit:

EMPNO
NULL

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.

```
96  SELECT e.EMPNO, e.ENAME, d.DNAME,d.DLOC AS Dept_Location, p.PLOC AS Project_Location, a.JOB_ROLE
97  FROM Employee e
98  JOIN Dept d ON e.DEPTNO = d.DEPTNO
99  JOIN Assigned_To a ON e.EMPNO = a.EMPNO
100 JOIN Project p ON a.PNO = p.PNO
101 WHERE d.DLOC = p.PLOC;
102
103 -- select e.MGR_NO
```

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

EMPNO	ENAME	DNAME	Dept_Location	Project_Location	JOB_ROLE
1001	John Doe	Computer Science	Bangalore	Bangalore	Lead Developer
1002	Jane Smith	Mechanical Engineering	Hyderabad	Hyderabad	Project Manager
1003	Tom Brown	Electrical Engineering	Chennai	Chennai	Software Engineer
1004	Lucy White	Civil Engineering	Mumbai	Mumbai	Research Scientist
1005	Mark Green	Biotechnology	Pune	Pune	System Architect