

### Dept table

```
40 •    INSERT INTO dept VALUES
41          (10, 'ACCOUNTING', 'MUMBAI'),
42          (20, 'RESEARCH', 'BENGALURU'),
43          (30, 'SALES', 'DELHI'),
44          (40, 'OPERATIONS', 'CHENNAI');
45 •    select * from dept;
```

Result Grid | Filter Rows:  Edit:

	deptno	dname	loc
10	ACCOUNTING	MUMBAI	
20	RESEARCH	BENGALURU	
30	SALES	DELHI	
40	OPERATIONS	CHENNAI	
*	NULL	NULL	NULL

### Emp table

```
47 •    INSERT INTO emp VALUES
48          (1001, 'Adarsh', NULL, '2015-06-01', 75000.00, 10),
49          (1002, 'Shruthi', 1001, '2016-08-15', 62000.00, 10),
50          (1003, 'Tanvir', NULL, '2014-03-20', 88000.00, 20),
51          (1004, 'Ramesh', 1003, '2017-11-05', 54000.00, 20),
52          (1005, 'Anvitha', 1003, '2018-01-10', 58000.00, 20);
53 •    select * from emp;
54
```

Result Grid | Filter Rows:  Edit: Export/Import:

	empno	ename	mgr_no	hiredate	sal	deptno
▶	1001	Adarsh	NULL	2015-06-01	75000.00	10
	1002	Shruthi	1001	2016-08-15	62000.00	10
	1003	Tanvir	NULL	2014-03-20	88000.00	20
	1004	Ramesh	1003	2017-11-05	54000.00	20
*	1005	Anvitha	1003	2018-01-10	58000.00	20
*	NULL	NULL	NULL	NULL	NULL	NULL

### Incentives table

```
--  
55 •    INSERT INTO incentives VALUES  
56          (1002, '2022-01-15', 5000.00),  
57          (1004, '2022-02-10', 3000.00),  
58          (1005, '2022-03-05', 4500.00),  
59          (1007, '2022-04-20', 2500.00),  
60          (1002, '2022-05-25', 6000.00);
```

Result Grid		
empno	incentive_date	incentive_amount
1002	2022-01-15	5000.00
1002	2022-05-25	6000.00
1004	2022-02-10	3000.00
1005	2022-03-05	4500.00
1007	2022-04-20	2500.00
NULL	NULL	NULL

### Project table

```
63 •    INSERT INTO project VALUES  
64          (101, 'AI Development', 'BENGALURU'),  
65          (102, 'IoT Integration', 'HYDERABAD'),  
66          (103, 'Blockchain Research', 'PUNE'),  
67          (104, 'Data Analytics', 'MYSURU'),  
68          (105, 'Autonomous Systems', 'CHENNAI');  
69 •    select * from project;
```

Result Grid		
pno	pname	ploc
101	AI Development	BENGALURU
102	IoT Integration	HYDERABAD
103	Blockchain Research	PUNE
104	Data Analytics	MYSURU
105	Autonomous Systems	CHENNAI
NULL	NULL	NULL

Assigned to table

```
71 •    INSERT INTO assigned_to VALUES
72          (1002, 101, 'Software Developer'),
73          (1004, 102, 'Data Analyst'),
74          (1005, 103, 'Backend Engineer'),
75          (1007, 104, 'QA Tester'),
76          (1001, 105, 'Project Manager');
77 •    select * from assigned_to;
78
```

	empno	pno	job_role
1	1001	105	Project Manager
	1002	101	Software Developer
	1004	102	Data Analyst
	1005	103	Backend Engineer
	1007	104	QA Tester
*	NULL	NULL	NULL

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

```
79 •    SELECT a.empno
80      FROM assigned_to a
81      JOIN project p ON a.pno = p.pno
82      WHERE p.ploc IN ('BENGALURU', 'HYDERABAD', 'MYSURU');
```

empno
1002
1004
1007

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

```
84 •   SELECT empno  
85     FROM emp  
86     WHERE empno NOT IN (  
87         SELECT DISTINCT empno  
88         FROM incentives
```

Result Grid	
	empno
1001	
1003	
	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.

```
91 •   SELECT  
92       e.ename AS EmployeeName,  
93       e.empno AS EmployeeNumber,  
94       d.dname AS DepartmentName,  
95       a.job_role AS JobRole,  
96       d.loc AS DepartmentLocation,  
97       p.ploc AS ProjectLocation  
98   FROM emp e  
99   JOIN dept d ON e.deptno = d.deptno  
00   JOIN assigned_to a ON e.empno = a.empno  
01   JOIN project p ON a.pno = p.pno  
02   WHERE d.loc = p.ploc;
```

Result Grid		EmployeeName	EmployeeNumber	DepartmentName	JobRole	DepartmentLocation	ProjectLocation