LAB 5

QUERRIES

1.

SELECT e.Emp_No, e.Emp_Name, e.Job_Role, d.Dept_Name, d.Dept_Location

FROM Employee e

JOIN Department d ON e.Dept_No = d.Dept_No;

```
106 •  SELECT e.Emp_No, e.Emp_Name, e.Job_Role, d.Dept_Name, d.Dept_Location
107    FROM Employee e
108    JOIN Department d ON e.Dept_No = d.Dept_No;
```

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

Emp_No	Emp_Name	Job_Role	Dept_Name	Dept_Location
101	Asha	Manager	HR	Bengaluru
102	Kiran	Analyst	IT	Hyderabad
103	Ravi	Clerk	Finance	Mysuru
104	Manu	Developer	IT	Hyderabad
105	Deepa	Tester	R&D	Bengaluru
106	Rohit	HR Executive	HR	Bengaluru

2.

SELECT Emp_No, Emp_Name

FROM Employee

WHERE Emp_No NOT IN (SELECT Emp_No FROM Works_On);

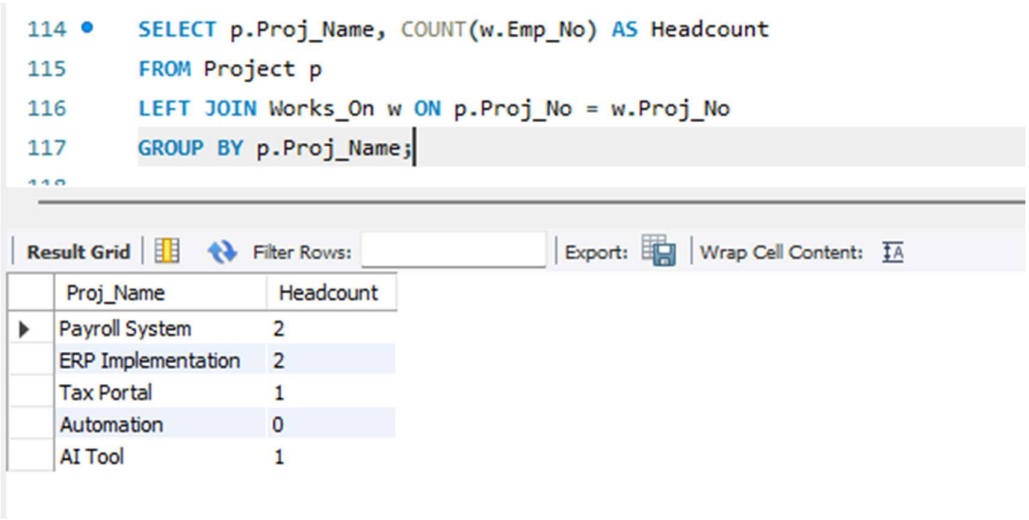
```
110 •  SELECT Emp_No, Emp_Name
111    FROM Employee
112    WHERE Emp_No NOT IN (SELECT Emp_No FROM Works_On);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Cont

Emp_No	Emp_Name
NULL	NULL

2.

```
SELECT p.Proj_Name, COUNT(w.Emp_No) AS Headcount
FROM Project p
LEFT JOIN Works_On w ON p.Proj_No = w.Proj_No
GROUP BY p.Proj_Name;
```



3.

```
SELECT d.Dept_Name,
    AVG(e.Salary) AS Avg_Salary,
    MAX(e.Salary) AS Max_Salary
FROM Employee e
JOIN Department d ON e.Dept_No = d.Dept_No
GROUP BY d.Dept_Name;
```

```
119 •   SELECT d.Dept_Name,
120            AVG(e.Salary) AS Avg_Salary,
121            MAX(e.Salary) AS Max_Salary
122     FROM Employee e
123     JOIN Department d ON e.Dept_No = d.Dept_No
124     GROUP BY d.Dept_Name;
```

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

Dept_Name	Avg_Salary	Max_Salary
HR	60000.000000	75000.00
IT	57500.000000	60000.00
Finance	40000.000000	40000.00
R&D	50000.000000	50000.00

4.

SELECT e.Emp_Name, SUM(i.Amount) AS Total_Incentive

FROM Employee e

LEFT JOIN Incentives i ON e.Emp_No = i.Emp_No

GROUP BY e.Emp_Name;

```
126 •   SELECT e.Emp_Name, SUM(i.Amount) AS Total_Incentive
127     FROM Employee e
128     LEFT JOIN Incentives i ON e.Emp_No = i.Emp_No
129     GROUP BY e.Emp_Name;
```

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

Emp_Name	Total_Incentive
Asha	2000.00
Kiran	1500.00
Ravi	1000.00
Manu	NULL
Deepa	1800.00
Rohit	NULL

5.

INSERT INTO Project VALUES (206, 'Alpha Project', 'Bengaluru', 1);

INSERT INTO Works_On VALUES (101, 206), (104, 206), (105, 206);

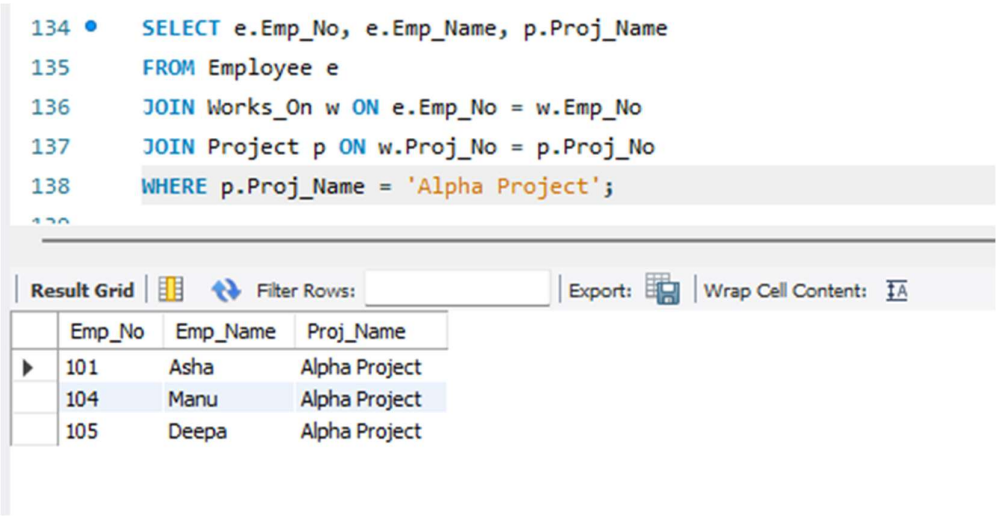
SELECT e.Emp_No, e.Emp_Name, p.Proj_Name

FROM Employee e

JOIN Works_On w ON e.Emp_No = w.Emp_No

JOIN Project p ON w.Proj_No = p.Proj_No

WHERE p.Proj_Name = 'Alpha Project';



6.

SELECT d.Dept_Name, d.Dept_No

FROM Department d

LEFT JOIN Employee e ON d.Dept_No = e.Dept_No

WHERE e.Emp_No IS NULL;

```
140 •   SELECT d.Dept_Name, d.Dept_No
141     FROM Department d
142     LEFT JOIN Employee e ON d.Dept_No = e.Dept_No
143     WHERE e.Emp_No IS NULL;
```

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

Dept_Name	Dept_No
Admin	4

7.

SELECT m.Emp_Name AS Manager, COUNT(e.Emp_No) AS Report_Count

FROM Employee m

JOIN Employee e ON m.Emp_No = e.Mgr_No

GROUP BY m.Emp_Name;

```
145 •   SELECT m.Emp_Name AS Manager, COUNT(e.Emp_No) AS Report_Count
146     FROM Employee m
147     JOIN Employee e ON m.Emp_No = e.Mgr_No
148     GROUP BY m.Emp_Name;
```

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

Manager	Report_Count
Asha	5

8.

SELECT e.Emp_No, e.Emp_Name, COUNT(w.Proj_No) AS Project_Count

FROM Employee e

JOIN Works_On w ON e.Emp_No = w.Emp_No

GROUP BY e.Emp_No, e.Emp_Name

HAVING COUNT(w.Proj_No) > 1;

```sql
SELECT e.Emp_No, e.Emp_Name, COUNT(w.Proj_No) AS Project_Count
FROM Employee e
JOIN Works_On w ON e.Emp_No = w.Emp_No
GROUP BY e.Emp_No, e.Emp_Name
HAVING COUNT(w.Proj_No) > 1;
```

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

Emp_No	Emp_Name	Project_Count
101	Asha	2
104	Manu	2
105	Deepa	2