

Real-Time SQL Interview Queries

1. Find Employees Eligible for Promotion

List all employees with more than 5 years of experience and a salary above INR 50,000.

```
SELECT Name, Salary, JoinDate
FROM Employee
WHERE JoinDate <= DATE_SUB(CURDATE(), INTERVAL 5 YEAR)
      AND Salary > 50000;
```

2. Department-Wise Employee Count

How many employees are there in each department?

```
SELECT DepartmentID, COUNT(*) AS EmployeeCount
FROM Employee
GROUP BY DepartmentID;
```

3. Get Top 2 Highest Paid Employees in Department 3

```
SELECT Name, Salary
FROM Employee
WHERE DepartmentID = 3
ORDER BY Salary DESC
LIMIT 2;
```

4. List Employees with a Specific Pattern in Name

Find employees whose names end with 'al' (like 'Komal').

```
SELECT * FROM Employee
WHERE Name LIKE '%al';
```

5. Find Employees Who Haven't Turned 18 Yet

List underage employees for compliance checking.

```
SELECT Name, Age
FROM Employee
WHERE Age < 18;
```

6. Join with Department Table to Get Department Name

```
SELECT e.Name, e.Salary, d.DepartmentName
FROM Employee e
JOIN Department d ON e.DepartmentID = d.DepartmentID;
```

7. Get Employees Who Joined Between 2025 and 2030

```
SELECT Name, JoinDate
```

```
FROM Employee
WHERE JoinDate BETWEEN '2025-01-01' AND '2030-12-31';
```

8. Check for Duplicates (in Phone Numbers)

Check if any phone number is used by more than one employee.

```
SELECT Phone, COUNT(*) AS Count
FROM Employee
GROUP BY Phone
HAVING COUNT(*) > 1;
```

9. Count How Many Employees Are Under Each Age

```
SELECT Age, COUNT(*) AS TotalEmployees
FROM Employee
GROUP BY Age
ORDER BY Age;
```

10. Employees Sorted by JoinDate (Oldest First)

```
SELECT Name, JoinDate
FROM Employee
ORDER BY JoinDate;
```