



# **100 DAYS OF SQL**

**Day 7 – Find details of department wise  
highest paid employee**

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Question:

Consider a company’s Employees table, which records the information of various department employees in a company. The table schema includes EmployeeID, Name, Department and Salary columns.

Sample data is provided below, write a SQL query to find the employee details (EmployeeID, Name, Department, Salary) of the employees with the highest salary in each department.

EmployeeID	Name	Department	Salary
1	Alice	HR	50000.00
2	Bob	IT	60000.00
3	Charlie	Finance	55000.00
4	David	HR	52000.00
5	Emma	IT	62000.00
6	Frank	Finance	58000.00
7	Gina	IT	65000.00
8	Harry	HR	53000.00


## Creation of table and Insertion of records

```
1 • use _100days_sql;
2 • CREATE TABLE if not exists Employees(
3     EmployeeID INT PRIMARY KEY,
4     Name VARCHAR(50),
5     Department VARCHAR(50),
6     Salary DECIMAL(10, 2)
7 );
8
9 • INSERT INTO Employees (EmployeeID, Name, Department, Salary) VALUES
10 (1, 'Alice', 'HR', 50000.00),
11 (2, 'Bob', 'IT', 60000.00),
12 (3, 'Charlie', 'Finance', 55000.00),
13 (4, 'David', 'HR', 52000.00),
14 (5, 'Emma', 'IT', 62000.00),
15 (6, 'Frank', 'Finance', 58000.00),
16 (7, 'Gina', 'IT', 65000.00),
17 (8, 'Harry', 'HR', 53000.00);
```

## Query for getting Department wise highest salary

```
20 • SELECT EmployeeID, Name, Department, Salary FROM
21     (SELECT *, RANK() OVER(PARTITION BY Department ORDER BY Salary DESC) rn FROM Employees) e
22 WHERE rn = 1;
23
24
```

## Output:

Result Grid    Filter Rows: <input type="text"/>				
	EmployeeID	Name	Department	Salary
▶	6	Frank	Finance	58000.00
	8	Harry	HR	53000.00
	7	Gina	IT	65000.00