Day1: 07/07/2025

**Dataset: Employees & Departments**

**Tables and schema:**

**Employees**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Employee ID** | **Name** | **Department ID** | **Salary** | **HireDate** | **Manager ID** |
| 1 | Alice | 101 | 70000 | 2018-03-15 | 3 |
| 2 | Bob | 102 | 48000 | 2019-07-10 | 3 |
| 3 | Charlie | 101 | 90000 | 2015-01-20 | Null |
| 4 | David | 103 | 60000 | 2020-05-25 | 2 |
| 5 | Eva | 102 | 750000 | 2017-11-30 | 3 |

**Departments**

|  |  |
| --- | --- |
| **DepartmentID** | **DepartmentName** |
| 101 | Engineering |
| 102 | Sales |
| 103 | HR |

**Daily Practice Questions (SQL):**

1. **List all employee names and their salaries.**
2. **Find employees who work in the Sales department.**
3. **Count the number of employees in each department.**
4. **Show the employee name along with their department name.**
5. **Find the highest salary among employees in each department.**
6. **List employees hired after January 1, 2018.**
7. **Find employees who do not have a manager (i.e., top-level managers).**

**Bonus challenge:**

Write a query to find the names of employees along with their managers’ names.