**Sample Schema (same as before, simplified for beginners)**

Employees(

EmployeeID INT PRIMARY KEY,

Name VARCHAR(100),

DepartmentID INT,

Salary DECIMAL(10,2),

HireDate DATE

)

Departments(

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

)

**📝 Beginner-Level SQL Practice Questions**

**🔹 SELECT & Filtering**

1. Retrieve all employee details from the Employees table.
2. Display only the Name and Salary of employees.
3. Find all employees whose salary is **greater than 50,000**.
4. Show employees who were hired **after 2020-01-01**.
5. List employees who belong to **DepartmentID = 2**.

**🔹 Sorting & Aliasing**

1. Display all employees ordered by **Salary (highest first)**.
2. Show employees sorted by **HireDate (oldest to newest)**.
3. Display employee names as Employee\_Name using **alias**.

**🔹 Simple Aggregations**

1. Find the **total number of employees**.
2. Calculate the **average salary** of employees.
3. Find the **minimum and maximum salary** among employees.
4. Count how many employees belong to **each department**.

**🔹 JOIN Basics**

1. Show each employee’s **name and their department name** (JOIN Employees & Departments).
2. List all departments and the employees in them (including departments with **no employees** → use LEFT JOIN).

**🔹 Pattern Matching (LIKE)**

1. Find employees whose names start with "A".
2. Retrieve employees whose names contain "son".
3. List employees with a 5-letter name.

**🔹 Basic Conditions**

1. Show employees who earn between **40,000 and 70,000**.
2. Find employees who are in **Department 1 or Department 3**.
3. Display employees whose salary is **NOT null**.