

# Lab-3 DQL-SQL Joins with MS SQL Server

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Employee Table Structure	
EmployeeID	int
first_name	varchar(50)
last_name	varchar(50)
salary	money
department	varchar(50)
emp_dob	Date
emp_gender	varchar(10)

Department Table Structure	
DepartmentID	int
Dept_Name	varchar(50)
Dept_Manager	varchar(50)

## 1. How to perform an INNER JOIN between two tables?

- How do you retrieve the EmployeeID, FirstName, LastName, and Department by joining the Employees table with the Departments table on DepartmentID?

## 2. How to perform a LEFT JOIN (or LEFT OUTER JOIN)?

- How do you retrieve all employees and their corresponding department names, including those who do not belong to any department?

## 3. How to perform a RIGHT JOIN (or RIGHT OUTER JOIN)?

- How do you retrieve all departments and their corresponding employees, including departments without employees?

## 4. How to perform a FULL JOIN (or FULL OUTER JOIN)?

- **Question:** How do you retrieve all employees and all departments, including those that don't have a matching record in the other table?

## 5. How to perform a CROSS JOIN?

- **Question:** How do you generate all possible combinations of employees and departments?