# Exercise 5: Stored Procedure to Count Employees in a Department

## 🎯 Goal:

Create a stored procedure that returns the total number of employees in a given department.

## ✅ Prerequisites:

* Open SQL Server Management Studio (SSMS).
* Connect to your SQL Server instance.
* Create a database and required tables if not done already.

## 🧾 Steps:

1. Step 1: Use or create the EmployeeDB database and required tables.

CREATE DATABASE EmployeeDB;  
GO  
USE EmployeeDB;  
  
-- Assuming the same tables and data from Exercise 1 exist.

1. Step 2: Write the stored procedure to count employees by DepartmentID.

CREATE PROCEDURE sp\_EmployeeCountByDepartment  
 @DepartmentID INT  
AS  
BEGIN  
 SELECT COUNT(\*) AS TotalEmployees  
 FROM Employees  
 WHERE DepartmentID = @DepartmentID;  
END;

1. Step 3: Execute the procedure with a sample DepartmentID to view the result.

EXEC sp\_EmployeeCountByDepartment 2;

