# EmployeeDB - Return Data from Stored Procedure

WEEK 2 : ADVANCED SQL: RETURN DATA FROM STORED PROCEDURE

Exercise 5: Return Data from a Stored Procedure  
  
Goal: Create a stored procedure that returns the total number of employees in a department.  
  
Steps:  
1. Define the stored procedure sp\_GetTotalEmployeesInDepartment with a parameter for DepartmentID.  
2. Write the SQL query to count the number of employees in the specified department.  
3. Save the stored procedure by executing the stored procedure content.  
  
Schema: EmployeeDB with Departments and Employees tables (as defined in Exercise 3).

## SQL Script:

USE EmployeeDB;

GO

-- Exercise 5: Create a Stored Procedure to return the total number of employees in a department.

-- Name: sp\_GetTotalEmployeesInDepartment

CREATE PROCEDURE sp\_GetTotalEmployeesInDepartment

@DepartmentID INT,

@TotalEmployees INT OUTPUT -- Output parameter to return the count

AS

BEGIN

SELECT @TotalEmployees = COUNT(EmployeeID)

FROM Employees

WHERE DepartmentID = @DepartmentID;

END;

GO

-- Testing Stored Procedure

PRINT '--- Testing sp\_GetTotalEmployeesInDepartment for DepartmentID 3 (IT) ---';

DECLARE @EmployeeCountIT INT;

EXEC sp\_GetTotalEmployeesInDepartment

@DepartmentID = 3,

@TotalEmployees = @EmployeeCountIT OUTPUT;

SELECT @EmployeeCountIT AS TotalEmployeesInITDepartment;

GO

PRINT '--- Testing sp\_GetTotalEmployeesInDepartment for DepartmentID 1 (HR) ---';

DECLARE @EmployeeCountHR INT;

EXEC sp\_GetTotalEmployeesInDepartment

@DepartmentID = 1,

@TotalEmployees = @EmployeeCountHR OUTPUT;

SELECT @EmployeeCountHR AS TotalEmployeesInHRDepartment;

GO

## Output Screenshot for Exercise 7 and Return Data from StoredProcedure:

