# EmployeeDB Stored Procedure Exercises

WEEK 2 ADVANCED -SQL FUNCTIONS - STORED PROCEDURE

Exercise 1: Create a Stored Procedure  
  
Goal: Create stored procedures to retrieve and insert employee details in the EmployeeDB.  
  
Steps:  
1. Define the stored procedure sp\_GetEmployeesByDepartment with a parameter @DepartmentID.  
2. Write the SQL query to select employee details based on @DepartmentID.  
3. Define the stored procedure sp\_InsertEmployee with parameters for employee fields.  
  
Below is the SQL script for the stored procedures. Copy it into a new query window in SSMS, execute it, and paste a screenshot of the Results pane under the "Output Screenshot" section.

## SQL Script:

USE EmployeeDB;

GO

-- Stored Procedures

-- 1) Retrieve employee details by department

CREATE PROCEDURE sp\_GetEmployeesByDepartment

@DepartmentID INT

AS

BEGIN

SELECT

E.EmployeeID,

E.FirstName,

E.LastName,

D.DepartmentName,

E.Salary,

E.JoinDate

FROM Employees AS E

INNER JOIN Departments AS D ON E.DepartmentID = D.DepartmentID

WHERE E.DepartmentID = @DepartmentID;

END;

GO

-- 2) Insert a new employee

CREATE PROCEDURE sp\_InsertEmployee

@FirstName VARCHAR(50),

@LastName VARCHAR(50),

@DepartmentID INT,

@Salary DECIMAL(10,2),

@JoinDate DATE

AS

BEGIN

INSERT INTO Employees (FirstName, LastName, DepartmentID, Salary, JoinDate)

VALUES (@FirstName, @LastName, @DepartmentID, @Salary, @JoinDate);

END;

GO

## Output Screenshot:

