# Exercise 1: Create a Stored Procedure to Insert Employee

## 🎯 Goal:

Create a stored procedure named `sp\_InsertEmployee` to insert new employees into the Employees table.

## ✅ 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;  
  
CREATE TABLE Departments (  
 DepartmentID INT PRIMARY KEY,  
 DepartmentName VARCHAR(100)  
);  
  
CREATE TABLE Employees (  
 EmployeeID INT PRIMARY KEY IDENTITY(1,1),  
 FirstName VARCHAR(50),  
 LastName VARCHAR(50),  
 DepartmentID INT FOREIGN KEY REFERENCES Departments(DepartmentID),  
 Salary DECIMAL(10,2),  
 JoinDate DATE  
);  
  
INSERT INTO Departments (DepartmentID, DepartmentName) VALUES  
(1, 'HR'), (2, 'Finance'), (3, 'IT'), (4, 'Marketing');  
  
INSERT INTO Employees (FirstName, LastName, DepartmentID, Salary, JoinDate) VALUES  
('John', 'Doe', 1, 5000.00, '2020-01-15'),  
('Jane', 'Smith', 2, 6000.00, '2019-03-22'),  
('Michael', 'Johnson', 3, 7000.00, '2018-07-30'),  
('Emily', 'Davis', 4, 5500.00, '2021-11-05');

1. Step 2: Write and execute the stored procedure to insert employee data.

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;

1. Step 3: Execute the procedure with sample values to insert a new employee.

EXEC sp\_InsertEmployee 'Aditi', 'Jha', 2, 6200.00, '2023-05-01';

