# SQL Exercise – Create a Stored Procedure

## Objective

To create a stored procedure that inserts a new employee into the Employees table.

## Database Schema

Departments Table:  
CREATE TABLE Departments (  
 DepartmentID INT PRIMARY KEY,  
 DepartmentName VARCHAR(100)  
);  
  
Employees Table:  
CREATE TABLE Employees (  
 EmployeeID INT PRIMARY KEY,  
 FirstName VARCHAR(50),  
 LastName VARCHAR(50),  
 DepartmentID INT FOREIGN KEY REFERENCES Departments(DepartmentID),  
 Salary DECIMAL(10,2),  
 JoinDate DATE  
);

## Sample Data

INSERT INTO Departments (DepartmentID, DepartmentName) VALUES   
(1, 'HR'), (2, 'Finance'), (3, 'IT'), (4, 'Marketing');  
  
INSERT INTO Employees (EmployeeID, FirstName, LastName, DepartmentID, Salary, JoinDate) VALUES   
(1, 'John', 'Doe', 1, 5000.00, '2020-01-15'),   
(2, 'Jane', 'Smith', 2, 6000.00, '2019-03-22'),  
(3, 'Michael', 'Johnson', 3, 7000.00, '2018-07-30'),   
(4, 'Emily', 'Davis', 4, 5500.00, '2021-11-05');

## Task

Create a stored procedure named sp\_InsertEmployee with the following parameters:  
@FirstName VARCHAR(50),  
@LastName VARCHAR(50),  
@DepartmentID INT,  
@Salary DECIMAL(10,2),  
@JoinDate DATE

## Stored Procedure Code (Simulated)

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;

## Output Screenshot Placeholder

  
