**Exercise-2: Create a Stored Procedure**

CREATE DATABASE DutyDB;

GO

USE DutyDB;

GO

CREATE TABLE Departments (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

);

GO

CREATE TABLE Employees (

EmployeeID INT IDENTITY(1,1) PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

DepartmentID INT,

Salary DECIMAL(10,2),

JoinDate DATE,

FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)

);

GO

INSERT INTO Departments (DepartmentID, DepartmentName) VALUES

(1, 'Human Resources'),

(2, 'Finance'),

(3, 'Engineering'),

(4, 'Sales');

GO

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

('Alice', 'Brown', 1, 50000.00, '2022-01-10'),

('Bob', 'Smith', 2, 60000.00, '2021-05-20'),

('Charlie', 'Johnson', 3, 75000.00, '2020-09-15'),

('Diana', 'Clark', 3, 72000.00, '2019-12-01'),

('Evan', 'Lee', 4, 58000.00, '2023-03-12');

GO

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

CREATE PROCEDURE sp\_GetEmployeesByDepartment

@DepartmentID INT

AS

BEGIN

SELECT

E.EmployeeID,

E.FirstName,

E.LastName,

D.DepartmentName,

E.Salary,

E.JoinDate

FROM Employees E

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

WHERE E.DepartmentID = @DepartmentID;

END;

GO

**OUTPUT:**

