--EXERCISE 2\_2\_1 STORED PROCEDURE

--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

The following sample data can be used for testing:

Departments Sample Data

INSERT INTO Departments (DepartmentID, DepartmentName) VALUES

(1, 'HR'),

(2, 'Finance'),

(3, 'IT'),

(4, 'Marketing');

--Employees Sample Data

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');

--Exercise 1

--ques1

CREATE PROCEDURE sp\_GetEmployeesByDepartment

    @DepartmentID INT

AS

BEGIN

    SELECT

        e.EmployeeID,

        e.FirstName,

        e.LastName,

        e.DepartmentID,

        d.DepartmentName,

        e.Salary,

        e.JoinDate

    FROM

        Employees e

    JOIN

        Departments d ON e.DepartmentID = d.DepartmentID

    WHERE

        e.DepartmentID = @DepartmentID;

END;

--ques 2

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;

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;



