**Exercise 1: Create a Stored Procedure**

CREATE TABLE Department (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

);

CREATE TABLE Employee (

EmployeeID INT PRIMARY KEY,

FirstName VARCHAR(50),

LastName VARCHAR(50),

DepartmentID INT FOREIGN KEY REFERENCES Departments(DepartmentID),

Salary DECIMAL(10,2),

JoinDate DATE

);

INSERT INTO Department (DepartmentID, DepartmentName) VALUES

(1, 'HR'),

(2, 'Finance'),

(3, 'IT'),

(4, 'Marketing');

INSERT INTO Employee (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');

GO

CREATE PROCEDURE Retrieve\_EmployeesDetails(@DepartmentID as INT) AS

BEGIN

Select e.EmployeeID,e.FirstName,e.LastName,e.Salary,d.DepartmentName

from Employee e inner join Department d on e.DepartmentID=d.DepartmentID

order by d.DepartmentID asc;

END;

go

EXEC Retrieve\_EmployeesDetails 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 ('Sahil', 'Kumar', 101, 100000, '2000-01-11');

END;

