**Employee Management System**

CREATE DATABASE EmployeeDB;

GO

USE EmployeeDB;

-- Create Departments table

CREATE TABLE Departments (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

);

-- Create Employees table

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 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');

**Exercise 5: Return Data from a Stored Procedure**

CREATE OR ALTER PROCEDURE sp\_CountEmployeesByDepartment

@DepartmentID INT

AS

BEGIN

SELECT COUNT(\*) AS TotalEmployees

FROM Employees

WHERE DepartmentID = @DepartmentID;

END;

GO

EXEC sp\_CountEmployeesByDepartment 1;

SELECT COUNT(\*) AS TotalEmployees FROM Employees WHERE DepartmentID = 1;

GO

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**Exercise 4: Execute a Stored Procedure**

USE EmployeeDB;

GO

EXEC sp\_GetEmployeesByDepartment 1;

GO

