

CREATE A STORED PROCEDURE NAME

```
USE practice;
CREATE TABLE Departments (
    DepartmentID INT PRIMARY KEY,
    DepartmentName VARCHAR(100)
);
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 (DepartmentID, DepartmentName) 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');
-- Create Procedure
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;
-- Call the insert procedure
EXEC sp_InsertEmployee
    @FirstName = 'Alice',
    @LastName = 'Walker',
    @DepartmentID = 2,
    @Salary = 6200.00,
    @JoinDate = '2023-05-10';
-- Run this command
SELECT * FROM Employees;
```

EMPLOYEE DETAILS

```
USE practice;
CREATE TABLE Departments (
    DepartmentID INT PRIMARY KEY,
    DepartmentName VARCHAR(100)
);
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 (DepartmentID, DepartmentName) 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');
-- Create Procedure
CREATE PROCEDURE sp_GetEmployeesByDepartment
    @DepartmentID INT
AS
BEGIN
    SELECT
        EmployeeID,
        FirstName,
        LastName,
        Salary,
        JoinDate
    FROM Employees
    WHERE DepartmentID = @DepartmentID;
END;
-- Call the insert procedure
EXEC sp_GetEmployeesByDepartment @DepartmentID = 3;
```

SQL QUERY

USE practice;

```
CREATE TABLE Departments (  
    DepartmentID INT PRIMARY KEY,  
    DepartmentName VARCHAR(100)  
);
```

```
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  
);
```

```
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');
```

GO

```
SELECT * FROM Departments;  
SELECT * FROM Employees;
```

OUTPUT

100 % No issues found

Results Messages

	EmployeeID	FirstName	LastName	DepartmentID	Salary	JoinDate
1	1	John	Doe	1	5000.00	2020-01-15
2	2	Jane	Smith	2	6000.00	2019-03-22
3	3	Michael	Johnson	3	7000.00	2018-07-30
4	4	Emily	Davis	4	5500.00	2021-11-05
5	5	Alice	Walker	2	6200.00	2023-05-10

100 % 9 0

Results Messages

	EmployeeID	FirstName	LastName	Salary	JoinDate
1	3	Michael	Johnson	7000.00	2018-07-30

100 % 1 0

Results Messages

	DepartmentID	DepartmentName
1	1	HR
2	2	Finance
3	3	IT
4	4	Marketing

	EmployeeID	FirstName	LastName	DepartmentID	Salary	JoinDate
1	1	John	Doe	1	5000.00	2020-01-15
2	2	Jane	Smith	2	6000.00	2019-03-22
3	3	Michael	Johnson	3	7000.00	2018-07-30
4	4	Emily	Davis	4	5500.00	2021-11-05