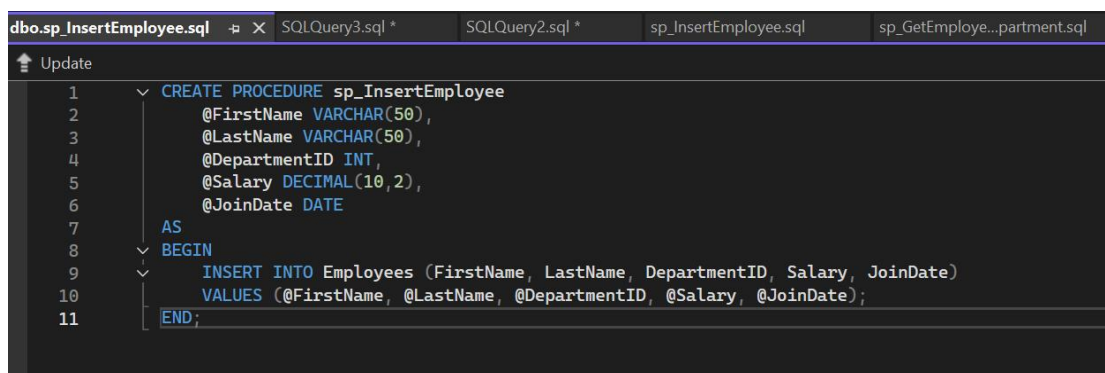


# Employee Management Systems SQL Exercise

## Exercise 1 : Create a Stored Procedure

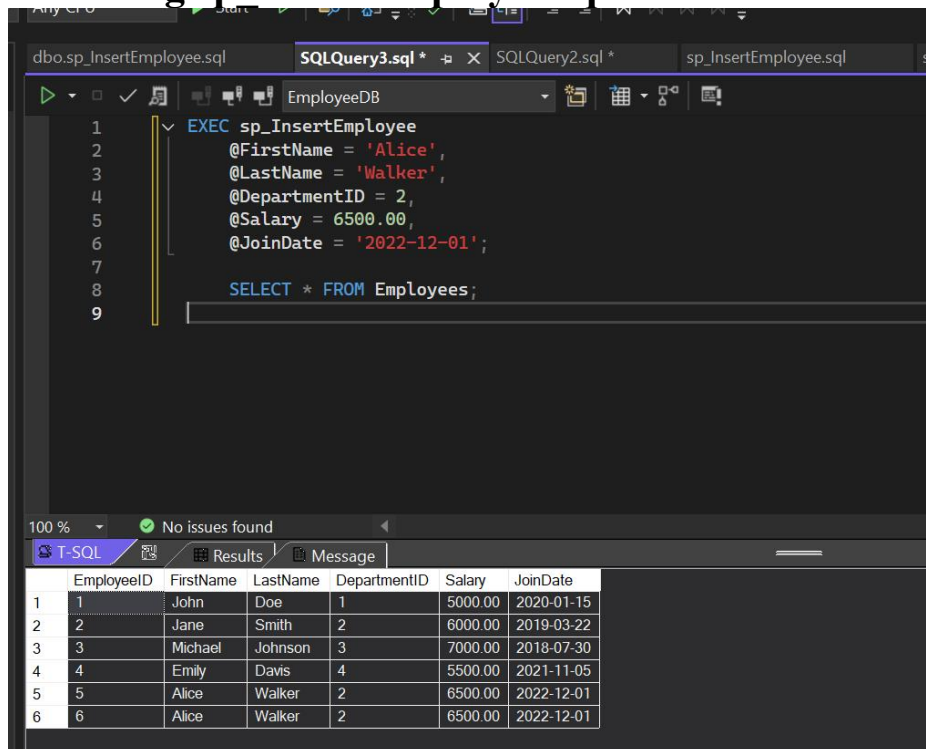
**Goal:** Create a stored procedure to retrieve employee details by department

### 1. Creating sp\_InsertEmployee.sql



```
1 CREATE PROCEDURE sp_InsertEmployee
2     @FirstName VARCHAR(50),
3     @LastName VARCHAR(50),
4     @DepartmentID INT,
5     @Salary DECIMAL(10,2),
6     @JoinDate DATE
7 AS
8 BEGIN
9     INSERT INTO Employees (FirstName, LastName, DepartmentID, Salary, JoinDate)
10    VALUES (@FirstName, @LastName, @DepartmentID, @Salary, @JoinDate);
11 END;
```

### 2. Testing sp\_InsertEmployee.sql



```
1 EXEC sp_InsertEmployee
2     @FirstName = 'Alice',
3     @LastName = 'Walker',
4     @DepartmentID = 2,
5     @Salary = 6500.00,
6     @JoinDate = '2022-12-01';
7
8 SELECT * FROM Employees;
```

EmployeeID	FirstName	LastName	DepartmentID	Salary	JoinDate
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
5	Alice	Walker	2	6500.00	2022-12-01
6	Alice	Walker	2	6500.00	2022-12-01

### 3. Creating sp\_GetEmployeeByDepartment.sql

```
GetEm...partment.sql  X  dbo.sp_InsertEmployee.sql  SQLQuery3.sql *  SQLQuery2.sql *  sp_Ins
ate
1  CREATE PROCEDURE sp_GetEmployeesByDepartment
2      @DepartmentID INT
3  AS
4  BEGIN
5      SELECT EmployeeID, FirstName, LastName, DepartmentID, Salary, JoinDate
6      FROM Employees
7      WHERE DepartmentID = @DepartmentID;
8  END;
```

### 4. Testing sp\_GetEmployeeByDepartment.sql

SQLQuery4.sql \* X dbo.sp\_GetEmp...partment.sql dbo.sp\_InsertEmployee.sql SQLQuery3.sql \* SQLQuery

EmployeeDB

```
1 EXEC sp_GetEmployeesByDepartment @DepartmentID = 2;
```

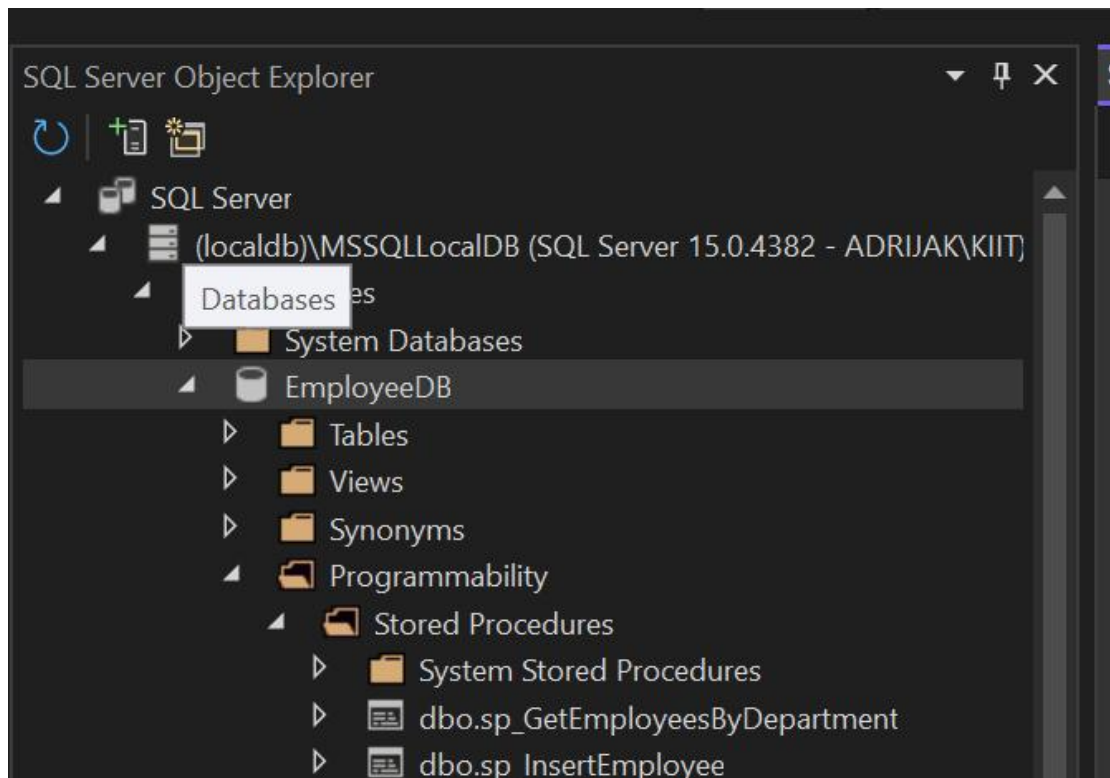
100 % No issues found

T-SQL Results Message

	EmployeeID	FirstName	LastName	DepartmentID	Salary	JoinDate
1	2	Jane	Smith	2	6000.00	2019-03-22
2	5	Alice	Walker	2	6500.00	2022-12-01
3	6	Alice	Walker	2	6500.00	2022-12-01
4	7	Alice	Walker	2	6500.00	2022-12-01

Query executed successfully at 14:29:37 | (localdb)\MSSQLLocalDB (15.... | ADRIJAK/KIIT (52) | Em

## 5. Screenshot of Stored Procedures



## 6. SELECT \* FROM Employees;

Any CPU Start

SQLQuery5.sql \* SQLQuery4.sql \* dbo.sp\_GetEmp...partment.sql dbo.sp\_I

EmployeeDB

1 SELECT \* FROM Employees;

100 % No issues found

T-SQL Results Message

	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	6500.00	2022-12-01
6	6	Alice	Walker	2	6500.00	2022-12-01
7	7	Alice	Walker	2	6500.00	2022-12-01