

Employee Management System SQL Exercises

Exercise 5: Return Data from a Stored Procedure

Goal: Create a stored procedure that returns the total number of employees in a department.

1. Define the stored procedure with a parameter for DepartmentID.
2. Write the SQL query to count the number of employees in the specified department.

```
-- Drop if it already exists to avoid errors
IF OBJECT_ID('sp_CountEmployeesByDepartment', 'P') IS NOT NULL
    DROP PROCEDURE sp_CountEmployeesByDepartment;

-- Create the stored procedure
CREATE PROCEDURE sp_CountEmployeesByDepartment
    @DepartmentID INT
AS
BEGIN
    SELECT COUNT(*) AS TotalEmployees
    FROM Employees
    WHERE DepartmentID = @DepartmentID;
END;
```

```
EXEC sp_CountEmployeesByDepartment @DepartmentID = 2;
```

3. Save the stored procedure by executing the Stored procedure content.
- 4.



The screenshot shows the SQL Server Enterprise Manager interface. At the top, there is a toolbar with a zoom dropdown set to 100%, and icons for error (19), warning (0), and navigation (up, down, left arrows). Below the toolbar are three tabs: 'Results' (active), 'Messages', and 'Client Statistics'. The 'Results' tab displays a table with one column, 'TotalEmployees', and one row with the value '2'.

	TotalEmployees
1	2