

Exercise 5: Return Data from a Stored Procedure

Goal:

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

Steps:

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

Code

```
DELIMITER $$
```

```
-- Create a stored procedure named 'sp_CountEmployeesByDepartment'
```

```
-- It takes one input parameter: dept_id (the ID of the department)
```

```
CREATE PROCEDURE sp_CountEmployeesByDepartment (  
    IN dept_id INT -- Input: DepartmentID to filter employees  
)
```

```
BEGIN
```

```
-- Select the total number of employees in the specified department
```

```
SELECT
```

```
    COUNT(*) AS TotalEmployees -- Returns the count as 'TotalEmployees'
```

```
FROM Employees
```

```
WHERE DepartmentID = dept_id; -- Filter by the input DepartmentID
```

```
END $$
```

```
-- Reset the statement delimiter back to default
```

```
DELIMITER ;
```

Output

```
-- Call the stored procedure with a sample DepartmentID (e.g., 3 for IT)
```

```
CALL sp_CountEmployeesByDepartment(3);
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	TotalEmployees			
▶	1			