-- Stored Procedure: Return Data Examples

-- Method 1: Return data using SELECT statement

CREATE PROCEDURE sp\_CountEmployeesByDepartment

@DepartmentID INT

AS

BEGIN

SELECT COUNT(\*) AS TotalEmployees

FROM Employees

WHERE DepartmentID = @DepartmentID;

END;

GO

-- Execution:

EXEC sp\_CountEmployeesByDepartment 3;

-- Output:

-- TotalEmployees

-- ---------------

-- 3

-- Method 2: Return data using OUTPUT parameter

CREATE PROCEDURE sp\_TotalSalaryByDepartment

@DepartmentID INT,

@TotalSalary DECIMAL(10,2) OUTPUT

AS

BEGIN

SELECT @TotalSalary = SUM(Salary)

FROM Employees

WHERE DepartmentID = @DepartmentID;

END;

GO

-- Execution:

DECLARE @SalaryTotal DECIMAL(10,2);

EXEC sp\_TotalSalaryByDepartment 3, @SalaryTotal OUTPUT;

SELECT @SalaryTotal AS TotalSalary;

-- Output:

-- TotalSalary

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-- 19500.00