**WEEK 2\_Return Data from a Scalar Function**

**Exercise 7:** Return Data from a Scalar Function Goal:

Return the annual salary for a specific employee using `fn\_CalculateAnnualSalary`.

Steps:

1. Execute the `fn\_CalculateAnnualSalary` function for an employee with `EmployeeID = 1`. 2. Verify the result.

**QUERY:**

-- Drop tables if they already exist

1. DROP TABLE IF EXISTS Employees;
2. DROP TABLE IF EXISTS Departments;
3. -- Create Departments table
4. CREATE TABLE Departments (
5. DepartmentID INT PRIMARY KEY,
6. DepartmentName VARCHAR(100)
7. );
8. -- Create Employees table
9. CREATE TABLE Employees (
10. EmployeeID INT PRIMARY KEY,
11. FirstName VARCHAR(50),
12. LastName VARCHAR(50),
13. DepartmentID INT,
14. Salary DECIMAL(10,2),
15. JoinDate DATE,
16. FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)
17. );
18. -- Insert sample data into Departments
19. INSERT INTO Departments (DepartmentID, DepartmentName) VALUES
20. (1, 'HR'),
21. (2, 'IT'),
22. (3, 'Finance');
23. -- Insert sample data into Employees
24. INSERT INTO Employees (EmployeeID, FirstName, LastName, DepartmentID, Salary, JoinDate) VALUES
25. (1, 'John', 'Doe', 1, 5000.00, '2020-01-15'),
26. (2, 'Jane', 'Smith', 2, 6000.00, '2019-03-22'),
27. (3, 'Bob', 'Johnson', 3, 5500.00, '2021-07-01');
28. -- First, separate any prior code with GO
29. GO
30. SELECT
31. FirstName,
32. LastName,
33. Salary AS MonthlySalary,
34. dbo.fn\_CalculateAnnualSalary(Salary) AS AnnualSalary
35. FROM Employees
36. WHERE EmployeeID = 1;

**OUTPUT**

