**SQL EXERCISE – FUNCTIONS**

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

**Code :-**

-- Step 1: Create Database

CREATE DATABASE CompanyDB\_AnnualSalary;

GO

USE CompanyDB\_AnnualSalary;

GO

-- Step 2: Create Employees Table

CREATE TABLE Employees (

EmployeeID INT PRIMARY KEY IDENTITY(1,1),

FirstName VARCHAR(50) NOT NULL,

LastName VARCHAR(50) NOT NULL,

Salary DECIMAL(10,2) NOT NULL -- Monthly Salary

);

GO

-- Step 3: Insert Sample Employees

INSERT INTO Employees (FirstName, LastName, Salary) VALUES

('Trisha', 'Reddy', 68000.00), -- EmployeeID = 1

('Praneetha', 'Sharma', 75000.00),

('Hindu', 'Sri', 82000.00);

GO

-- Step 4: Create Scalar Function to Calculate Annual Salary

CREATE FUNCTION fn\_CalculateAnnualSalary (

@EmpID INT

)

RETURNS DECIMAL(10,2)

AS

BEGIN

DECLARE @AnnualSalary DECIMAL(10,2);

SELECT @AnnualSalary = Salary \* 12

FROM Employees

WHERE EmployeeID = @EmpID;

RETURN @AnnualSalary;

END;

GO

--Step 5: Execute the Function for EmployeeID = 1

SELECT dbo.fn\_CalculateAnnualSalary(1) AS AnnualSalary;

GO

**Output :-**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Query Output :-**

**A screenshot of a computer

AI-generated content may be incorrect.**