CREATE DATABASE EmployeeDB;

GO

USE EmployeeDB;

GO

CREATE TABLE Departments (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

);

CREATE TABLE Employees (

EmployeeID INT PRIMARY KEY IDENTITY(1,1),

FirstName VARCHAR(50),

LastName VARCHAR(50),

DepartmentID INT,

Salary DECIMAL(10,2),

JoinDate DATE,

FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID)

);

INSERT INTO Departments VALUES

(1, 'HR'),

(2, 'Finance'),

(3, 'IT'),

(4, 'Sales');

INSERT INTO Employees (FirstName, LastName, DepartmentID, Salary, JoinDate) VALUES

('John', 'Doe', 1, 5000.00, '2020-01-15'),

('Jane', 'Smith', 2, 6000.00, '2021-02-10'),

('Robert', 'Brown', 3, 7000.00, '2019-03-01'),

('Emily', 'Clark', 3, 5500.00, '2022-05-20'),

('Michael', 'Wilson', 4, 4800.00, '2023-07-01'),

('Alice', 'Brown', 3, 6500.00, '2023-06-01');

CREATE FUNCTION fn\_CalculateAnnualSalary (

@MonthlySalary DECIMAL(10, 2)

)

RETURNS DECIMAL(10, 2)

AS

BEGIN

RETURN @MonthlySalary \* 12;

END;

SELECT FirstName, LastName, Salary,

dbo.fn\_CalculateAnnualSalary(Salary) AS AnnualSalary

FROM Employees

WHERE EmployeeID = 1;