DROP TABLE IF EXISTS Employees;

DROP TABLE IF EXISTS Departments;

CREATE TABLE Departments (

DepartmentID INTEGER PRIMARY KEY,

DepartmentName TEXT);

CREATE TABLE Employees (

EmployeeID INTEGER PRIMARY KEY AUTOINCREMENT,

FirstName TEXT,

LastName TEXT,

DepartmentID INTEGER,

Salary REAL,

JoinDate TEXT,

FOREIGN KEY (DepartmentID) REFERENCES Departments(DepartmentID));

INSERT INTO Departments (DepartmentID, DepartmentName) VALUES

(1, 'HR'),

(2, 'Finance'),

(3, 'IT'),

(4, 'Marketing');

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

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

('Jane', 'Smith', 2, 6000.00, '2019-03-22'),

('Michael', 'Johnson', 3, 7000.00, '2018-07-30'),

('Emily', 'Davis', 4, 5500.00, '2021-11-05');

SELECT

d.DepartmentName,

COUNT(e.EmployeeID) AS EmployeeCount

FROM Departments d

LEFT JOIN Employees e ON d.DepartmentID = e.DepartmentID

WHERE d.DepartmentID = 3

GROUP BY d.DepartmentID;



