Database Query

Create Employee Table:

CREATE TABLE tbl_Employees (

    Emp_ID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,

    Emp_FirstName VARCHAR(50) NOT NULL,

    Emp_LastName VARCHAR(50) NOT NULL,

    Emp_IC VARCHAR(20) NOT NULL UNIQUE,

    Emp_LeaveBalance INT NOT NULL

);

Create Leave Request Table:

CREATE TABLE tbl_LeaveRequests (

    LeaveRequest_ID INT GENERATED ALWAYS AS IDENTITY PRIMARY KEY,

    Emp_ID INT NOT NULL,

    LeaveRequest_CommencementDate DATE NOT NULL,

    LeaveRequest_Status VARCHAR(20) NOT NULL,

    LeaveRequestAmount INT NOT NULL,

    LeaveRequest_CreationDate DATE NOT NULL,

    FOREIGN KEY (Emp_ID) REFERENCES tbl_Employees(Emp_ID) ON DELETE CASCADE

);

Add Data to Employee Table:

INSERT INTO tbl_Employees (Emp_FirstName, Emp_LastName, Emp_IC, Emp_LeaveBalance) VALUES ('John', 'Doe', 'IC001', 20), ('Jane', 'Smith', 'IC002', 15), ('Alice', 'Brown', 'IC003', 18), ('Bob', 'Johnson', 'IC004', 12), ('Charlie', 'Wilson', 'IC005', 25), ('Emily', 'Davis', 'IC006', 22), ('Frank', 'Miller', 'IC007', 10), ('Grace', 'Moore', 'IC008', 17), ('Henry', 'Taylor', 'IC009', 19), ('Ivy', 'Anderson', 'IC010', 21), ('Jack', 'Thomas', 'IC011', 14), ('Karen', 'Martin', 'IC012', 13), ('Leo', 'Garcia', 'IC013', 16), ('Mia', 'Martinez', 'IC014', 20), ('Nathan', 'Hernandez', 'IC015', 18), ('Olivia', 'Clark', 'IC016', 23), ('Paul', 'Rodriguez', 'IC017', 11), ('Quinn', 'Lewis', 'IC018', 15), ('Rachel', 'Lee', 'IC019', 20), ('Steve', 'Walker', 'IC020', 22);