Join Syntax:

CREATE TABLE locations (

location\_id INT PRIMARY KEY,

city VARCHAR(100) NOT NULL

);

CREATE TABLE departments (

department\_id INT PRIMARY KEY,

department\_name VARCHAR(100) NOT NULL,

location\_id INT,

FOREIGN KEY (location\_id) REFERENCES locations(location\_id)

);

CREATE TABLE employees (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

job\_id INT,

department\_id INT,

FOREIGN KEY (department\_id) REFERENCES departments(department\_id)

);

INSERT INTO locations (location\_id, city)

VALUES

(1, 'New York'),

(2, 'San Francisco');

INSERT INTO departments (department\_id, department\_name, location\_id)

VALUES

(10, 'Finance', 1),

(20, 'Human Resources', 2);

INSERT INTO employees (employee\_id, first\_name, last\_name, job\_id, department\_id)

VALUES

(101, 'John', 'Doe', 1, 10), -- Works in Finance, New York

(102, 'Jane', 'Smith', 2, 20); -- Works in Human Resources, San Francisco

SELECT e.last\_name, l.city

FROM employees e, departments d, locations l

WHERE e.department\_id = d.department\_id

AND d.location\_id = l.location\_id;