LEFT OUTER JOIN:

CREATE TABLE departments (

department\_id INT PRIMARY KEY,

department\_name VARCHAR(100) NOT NULL

);

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 departments (department\_id, department\_name)

VALUES

(10, 'Finance'),

(20, 'Human Resources');

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

VALUES

(101, 'John', 'Doe', 1, 10),

(102, 'Jane', 'Smith', 2, 20);

SELECT e.last\_name, d.department\_id, d.department\_name

FROM employees e LEFT OUTER JOIN departments d

ON (e.department\_id = d.department\_id);

