CREATE TABLE job\_grades (

grade\_level INT PRIMARY KEY,

lowest\_sal DECIMAL(10, 2) NOT NULL,

highest\_sal DECIMAL(10, 2) NOT NULL

);

CREATE TABLE employees (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

salary DECIMAL(10, 2) NOT NULL,

grade\_level INT,

FOREIGN KEY (grade\_level) REFERENCES job\_grades(grade\_level)

);

INSERT INTO job\_grades (grade\_level, lowest\_sal, highest\_sal)

VALUES

(1, 30000.00, 49999.99),

(2, 50000.00, 69999.99),

(3, 70000.00, 89999.99);

INSERT INTO employees (employee\_id, first\_name, last\_name, salary, grade\_level)

VALUES

(101, 'John', 'Doe', 45000.00, 1),

(102, 'Jane', 'Smith', 55000.00, 2),

(103, 'Alice', 'Johnson', 75000.00, 3),

(104, 'Bob', 'Brown', 60000.00, 2),

(105, 'Charlie', 'Davis', 40000.00, 1);

SELECT e.last\_name, e.salary, e.grade\_level, j.lowest\_sal, j.highest\_sal

FROM employees e

JOIN job\_grades j

ON e.grade\_level = j.grade\_level

WHERE e.salary BETWEEN j.lowest\_sal AND j.highest\_sal;