

SQLBolt - Learn SQL - SQL Rev...

sqlbolt.com/lesson/select\_queries\_review

lesson to learn about queries that span multiple tables.

Table: North\_american\_cities

City	Population
Chicago	2718782
Houston	2195914

```
SELECT city, population FROM north_american_cities
WHERE country LIKE "United States"
ORDER BY population DESC
LIMIT 2 OFFSET 2;
```

RESET

Review 1 — Tasks

1. List all the Canadian cities and their populations ✓

2. Order all the cities in the United States by their latitude from north to south ✓

3. List all the cities west of Chicago, ordered from west to east ✓

4. List the two largest cities in Mexico (by population) ✓

5. List the third and fourth largest cities (by population) in the United States and their population ✓

Stuck? Read this task's [Solution](#).

Solve all tasks to continue to the next lesson.

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Next – SQL Lesson 6: Multi-table queries with JOINS

Previous – SQL Lesson 4: Filtering and sorting Query results

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Query Results

Title	Rating
WALL-E	8.5
Toy Story 3	8.4
Toy Story	8.3
Up	8.3
Finding Nemo	8.2
Monsters, Inc.	8.1
Ratatouille	8
The Incredibles	8
Toy Story 2	7.9
Monsters University	7.4

```
SELECT title, rating
FROM movies
JOIN boxoffice
ON movies.id = boxoffice.movie_id
ORDER BY rating DESC;
```

RESET

Exercise 6 — Tasks

1. Find the domestic and international sales for each movie ✓

2. Show the sales numbers for each movie that did better internationally rather than domestically ✓

3. List all the movies by their ratings in descending order ✓

Stuck? Read this task's [Solution](#).

Solve all tasks to continue to the next lesson.

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Next – SQL Lesson 7: OUTER JOINS

Previous – SQL Review: Simple SELECT Queries

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Building_name	Role
1e	Engineer
1e	Manager
1w	
2e	
2w	Artist
2w	Manager

Query Results

```
SELECT DISTINCT building_name, role
FROM buildings
LEFT JOIN employees
ON building_name = building;
```

RESET

### Exercise 7 — Tasks

- Find the list of all buildings that have employees ✓
- Find the list of all buildings and their capacity ✓
- List all buildings and the distinct employee roles in each building (including empty buildings) ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

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Next – [SQL Lesson 8: A short note on NULLs](#)

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Building_name
1w
2e

Query Results

```
SELECT DISTINCT building_name
FROM buildings
LEFT JOIN employees
ON building_name = building
WHERE role IS NULL;
```

RESET

### Exercise 8 — Tasks

- Find the name and role of all employees who have not been assigned to a building ✓
- Find the names of the buildings that hold no employees ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

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