

about a few of the most populous cities of North America - including their population and geo-spatial location in the world.

Did you know?

Positive latitudes correspond to the northern hemisphere, and positive longitudes correspond to the eastern hemisphere. Since North America is north of the equator and west of the prime meridian, all of the cities in the list have positive latitudes and negative longitudes.

Try and write some queries to find the information requested in the tasks you know. You may have to use a different combination of clauses in your query for each task. Once you're done, continue onto the next lesson to learn about queries that span multiple tables.

Table: North_american_cities

City	Population
Toronto	2795060
Montreal	1717767

```
SELECT city, population FROM north_american_cities
WHERE country = "Canada";
```

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.

Finish above Tasks

Next - [SQL Lesson 6: Multi-table queries with JOINS](#)
Previous - [SQL Lesson 4: Filtering and sorting Query results](#)

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Table: North_american_cities

City	Latitude
Chicago	41.878114
New York	40.712784
Philadelphia	39.952584
Los Angeles	34.052234
Phoenix	33.448377
Houston	29.760427

```
SELECT city, latitude FROM north_american_cities
WHERE country = "United States"
ORDER BY latitude DESC;
```

RESET

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1. List all the Canadian cities and their populations. ✓
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3. List all the cities west of Chicago, ordered from west to east.
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Table: North_american_cities

City	Longitude
Los Angeles	-118.243685
Phoenix	-112.074037
Guadalajara	-103.349609
Mexico City	-99.133208
Ecatepec de Morelos	-99.050674
Houston	-95.369803

```
SELECT city, longitude FROM north_american_cities
WHERE longitude < -87.629798
ORDER BY longitude ASC;
```

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 ✓
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Table: North_american_cities

City	Population
Mexico City	8555500
Ecatepec de Morelos	1742000

Review 1 — Tasks

1. List all the Canadian cities and their populations ✓
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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

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Finish above Tasks

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

RESET

Next - [SQL Lesson 6: Multi-table queries with JOINS](#)
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Table: North_american_cities

City	Population
Chicago	2718782
Houston	2195914

Review 1 — Tasks

1. List all the Canadian cities and their populations ✓
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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 ✓

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

RESET

Continue >

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