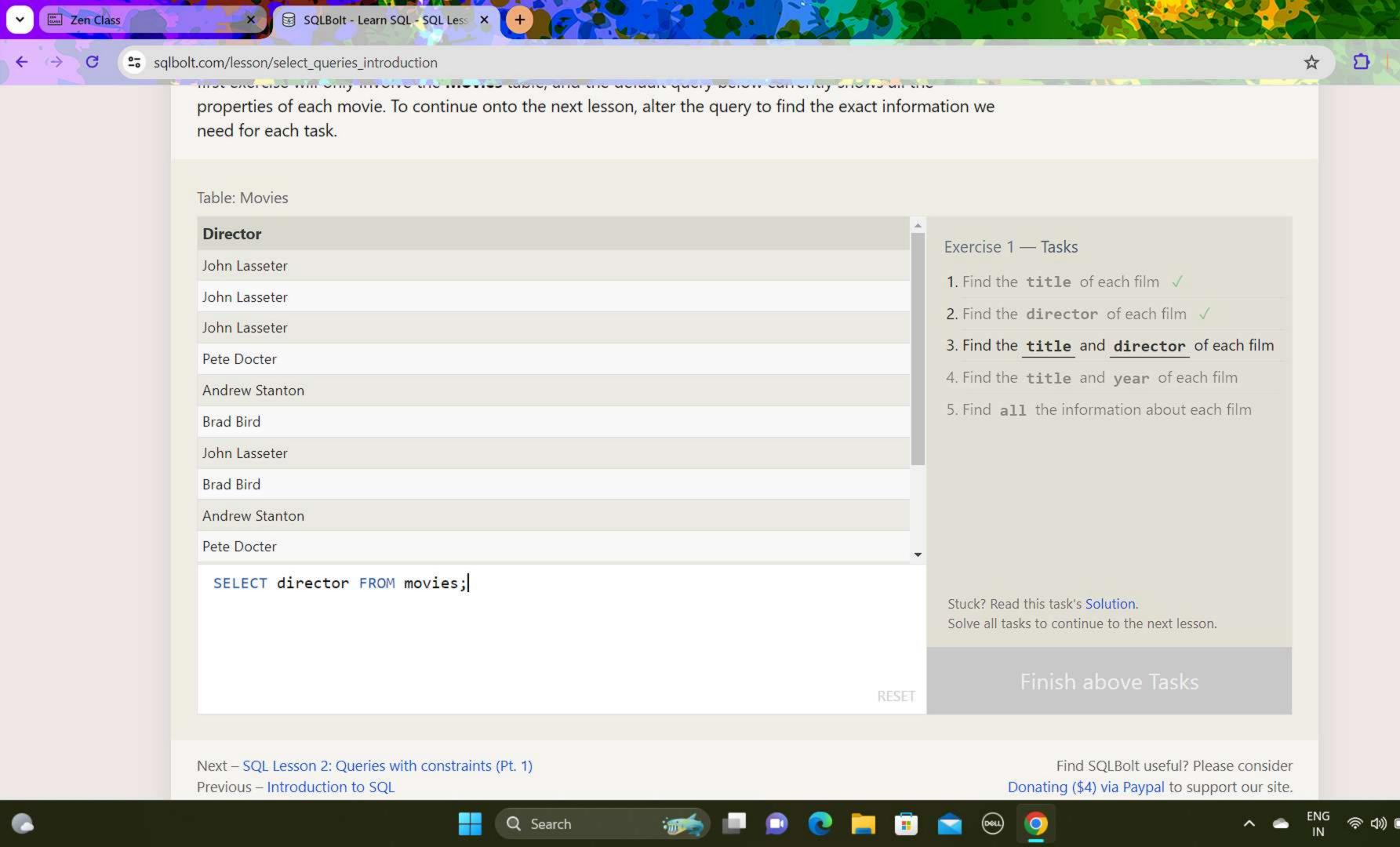
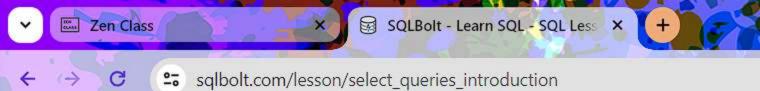


03-11-2023



D 22:34 03-11-2023









more exercise min only involve the metrics table, and the actual query below carreinly shows an the properties of each movie. To continue onto the next lesson, alter the query to find the exact information we need for each task.

Table: Movies

Title	Director	Exercise 1 — Tasks
Toy Story	John Lasseter	
A Bug's Life	John Lasseter	1. Find the title of each film ✓
Toy Story 2	John Lasseter	2. Find the director of each film ✓
Monsters, Inc.	Pete Docter	3. Find the title and director of each film
Finding Nemo	Andrew Stanton	4. Find the title and year of each film
The Incredibles	Brad Bird	5. Find all the information about each film
Cars	John Lasseter	
Ratatouille	Brad Bird	
WALL-E	Andrew Stanton	
Up	Pete Docter	*
SELECT title,director FR	OM movies;	Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.
		Finish above Tasks

Next – SQL Lesson 2: Queries with constraints (Pt. 1) Previous - Introduction to SQL











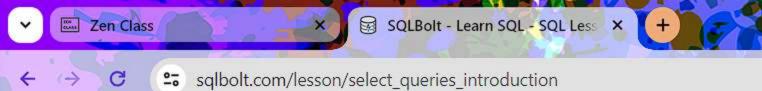


















properties of each movie. To continue onto the next lesson, alter the query to find the exact information we need for each task.

Table: Movies

Title	Year	Exercise 1 — Tasks
Toy Story	1995	
A Bug's Life	1998	1. Find the title of each film ✓
Toy Story 2	1999	2. Find the director of each film ✓
Monsters, Inc.	2001	3. Find the title and director of each file
Finding Nemo	2003	4. Find the title and year of each film V
The Incredibles	2004	5. Find all the information about each film
Cars	2006	3. Tilla <u>uzz</u> the information about each film
Ratatouille	2007	
WALL-E	2008	
Up	2009	*
SELECT title, year FROM movies;		
15.5		Stuck? Read this task's Solution.
		Solve all tasks to continue to the next lesson.
		Einich above Tacks

Next – SQL Lesson 2: Queries with constraints (Pt. 1)
Previous – Introduction to SQL

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sqlbolt.com/lesson/select_queries_introduction







more exercise min only involve the metrics table, and the delicate query below currently shows an the properties of each movie. To continue onto the next lesson, alter the query to find the exact information we need for each task.

Table: Movies

ld	Title	Director	Year	Length_minutes	
1	Toy Story	John Lasseter	1995	81	
2	A Bug's Life	John Lasseter	1998	95	
3	Toy Story 2	John Lasseter	1999	93	
4	Monsters, Inc.	Pete Docter	2001	92	
5	Finding Nemo	Andrew Stanton	2003	107	
6	The Incredibles	Brad Bird	2004	116	
7	Cars	John Lasseter	2006	117	
8	Ratatouille	Brad Bird	2007	115	
9	WALL-E	Andrew Stanton	2008	104	
10	Up	Pete Docter	2009	101	

Exercise 1 — Tasks

- 1. Find the title of each film ✓
- 2. Find the director of each film ✓
- 3. Find the title and director of each film
- 4. Find the title and year of each film 🗸
- 5. Find all the information about each film \

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Continue >

RESET

Next – SQL Lesson 2: Queries with constraints (Pt. 1) Previous - Introduction to SQL

SELECT * FROM movies;













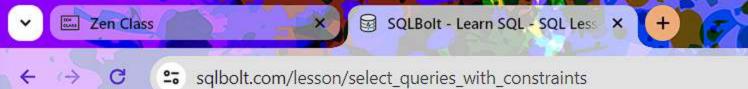


















Using the right constraints, find the information we need from the Movies table for each task below.

Table: Movies

ld	Title	Director	Year	Length_minutes	Exercise 2 — Tasks
ō	The Incredibles	Brad Bird	2004	116	1. Find the movie with a row id of 6 ✓
				2. Find the movies released in the year selection between 2000 and 2010	
					3. Find the movies not released in the ye between 2000 and 2010
					4. Find the first 5 Pixar movies and their r
	LECT * FROM movies ERE id=6;				Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.
					Finish above Tasks

Next – SQL Lesson 3: Queries with constraints (Pt. 2)

Previous – SQL Lesson 1: SELECT queries 101































LACICIOC

Using the right constraints, find the information we need from the Movies table for each task below.

Table: Movies

Id	Title	Director	Year	Length_minutes	*
4	Monsters, Inc.	Pete Docter	2001	92	
5	Finding Nemo	Andrew Stanton	2003	107	
6	The Incredibles	Brad Bird	2004	116	
7	Cars	John Lasseter	2006	117	
8	Ratatouille	Brad Bird	2007	115	
9	WALL-E	Andrew Stanton	2008	104	
10	Up	Pete Docter	2009	101	
11	Toy Story 3	Lee Unkrich	2010	103	

Exercise 2 — Tasks

- 1. Find the movie with a row id of 6 \square
- 2. Find the movies released in the year s between 2000 and 2010 ✓
- 3. Find the movies **not** released in the **year** s between 2000 and 2010
- 4. Find the first 5 Pixar movies and their release year

SELECT * FROM movies WHERE year BETWEEN 2000 AND 2010;

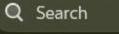
Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

RESET

Next – SQL Lesson 3: Queries with constraints (Pt. 2)

Previous - SQL Lesson 1: SELECT queries 101







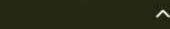
























Using the right constraints, find the information we need from the **iviovies** table for each task below.

Table: Movies

ld	Title	Director	Year	Length_minutes	*
1	Toy Story	John Lasseter	1995	81	
2	A Bug's Life	John Lasseter	1998	95	
3	Toy Story 2	John Lasseter	1999	93	
12	Cars 2	John Lasseter	2011	120	
13	Brave	Brenda Chapman	2012	102	
14	Monsters University	Dan Scanlon	2013	110	

Exercise 2 — Tasks

- 1. Find the movie with a row id of 6 \square
- 2. Find the movies released in the year s between 2000 and 2010 🗸
- 3. Find the movies **not** released in the **year** s between 2000 and 2010 🗸
- 4. Find the first 5 Pixar movies and their release year

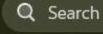
SELECT * FROM movies WHERE year NOT BETWEEN 2000 AND 2010;

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Next – SQL Lesson 3: Queries with constraints (Pt. 2) Previous – SQL Lesson 1: SELECT queries 101

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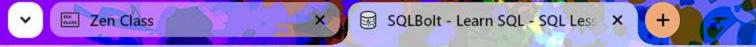




















Exercise

Using the right constraints, find the information we need from the Movies table for each task below.

Table: Movies

ld	Title	Director	Year	Length_minutes	^
1	Toy Story	John Lasseter	1995	81	
2	A Bug's Life	John Lasseter	1998	95	
3	Toy Story 2	John Lasseter	1999	93	
4	Monsters, Inc.	Pete Docter	2001	92	
5	Finding Nemo	Andrew Stanton	2003	107	

Exercise 2 — Tasks

- 1. Find the movie with a row id of 6 \square
- 2. Find the movies released in the year s between 2000 and 2010 🗸
- 3. Find the movies **not** released in the **year** s between 2000 and 2010 ✓
- 4. Find the first 5 Pixar movies and their release year √

SELECT * FROM movies WHERE year<2004;

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Continue >

Next – SQL Lesson 3: Queries with constraints (Pt. 2)

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AND/OR another_condition AND/OR ...;

Table: Movies

ld	Title	Director	Year	Length_minutes	
1	Toy Story	John Lasseter	1995	81	
3	Toy Story 2	John Lasseter	1999	93	
11	Toy Story 3	Lee Unkrich	2010	103	

Exercise 3 — Tasks

- 1. Find all the Toy Story movies ✓
- 2. Find all the movies directed by John Lasseter
- 3. Find all the movies (and director) not directed by John Lasseter
- 4. Find all the WALL-* movies

SELECT * FROM movies WHERE title LIKE "%Toy Story%";

RESET

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Next – SQL Lesson 4: Filtering and sorting Query results

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AND/OR another_condition AND/OR ...;

Table: Movies

Id	Title	Director	Year	Length_minutes	*
1	Toy Story	John Lasseter	1995	81	
2	A Bug's Life	John Lasseter	1998	95	
3	Toy Story 2	John Lasseter	1999	93	
7	Cars	John Lasseter	2006	117	
12	Cars 2	John Lasseter	2011	120	

Exercise 3 — Tasks

- 1. Find all the Toy Story movies ✓
- 2. Find all the movies directed by John Lasseter
- 3. Find all the movies (and director) not directed by John Lasseter
- 4. Find all the WALL-* movies

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

RESET

Next – SQL Lesson 4: Filtering and sorting Query results

WHERE director = "John Lasseter";

SELECT * FROM movies

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AND/OR another_condition AND/OR ...;

Table: Movies

ld	Title	Director	Year	Length_minutes	
4	Monsters, Inc.	Pete Docter	2001	92	
5	Finding Nemo	Andrew Stanton	2003	107	
6	The Incredibles	Brad Bird	2004	116	
8	Ratatouille	Brad Bird	2007	115	
9	WALL-E	Andrew Stanton	2008	104	
10	Up	Pete Docter	2009	101	
11	Toy Story 3	Lee Unkrich	2010	103	
13	Brave	Brenda Chapman	2012	102	
14	Monsters University	Dan Scanlon	2013	110	
87	WALL-G	Brenda Chapman	2042	97	*

Exercise 3 — Tasks

- 1. Find all the Toy Story movies ✓
- 2. Find all the movies directed by John Lasseter
- 3. Find all the movies (and director) not directed by John Lasseter ✓
- 4. Find all the WALL-* movies

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Next – SQL Lesson 4: Filtering and sorting Query results

WHERE director != "John Lasseter";

SELECT * FROM movies

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THE STREET STREET







AND/OR another_condition AND/OR ...;

Table: Movies

Id	Title	Director	Year	Length_minutes	e d
9	WALL-E	Andrew Stanton	2008	104	
87	WALL-G	Brenda Chapman	2042	97	

Exercise 3 — Tasks

- 1. Find all the Toy Story movies ✓
- 2. Find all the movies directed by John Lasseter
- 3. Find all the movies (and director) not directed by John Lasseter ✓
- 4. Find all the WALL-* movies \checkmark

SELECT * FROM movies WHERE title LIKE "WALL-_";

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Continue >

Next – SQL Lesson 4: Filtering and sorting Query results

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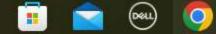




















There are a few concepts in this lesson, but all are pretty straight-forward to apply. To spice things up, we've gone and scrambled the Movies table for you in the exercise to better mimic what kind of data you might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies Director Exercise 4 — Tasks Andrew Stanton 1. List all directors of Pixar movies Brad Bird (alphabetically), without duplicates \checkmark Brenda Chapman 2. List the last four Pixar movies released (ordered from most recent to least) Dan Scanlon 3. List the first five Pixar movies sorted John Lasseter alphabetically Lee Unkrich 4. List the **next** five Pixar movies sorted Pete Docter alphabetically SELECT DISTINCT director FROM movies ORDER BY director ASC; Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson. RESET

Next - SQL Review: Simple SELECT Queries

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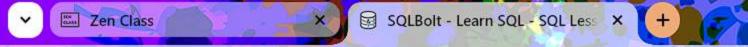


















There are a few concepts in this lesson, but all are pretty straight-forward to apply. To spice things up, we've gone and scrambled the Movies table for you in the exercise to better mimic what kind of data you might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies

Id	Title	Director	Year	Length_minutes	
12	Monsters University	Dan Scanlon	2013	110	
11	Brave	Brenda Chapman	2012	102	
7	Cars 2	John Lasseter	2011	120	
3	Toy Story 3	Lee Unkrich	2010	103	

Exercise 4 — Tasks

- 1. List all directors of Pixar movies (alphabetically), without duplicates \checkmark
- 2. List the last four Pixar movies released (ordered from most recent to least) ✓
- 3. List the first five Pixar movies sorted alphabetically
- 4. List the **next** five Pixar movies sorted alphabetically

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

SELECT * FROM movies WHERE year>2009 ORDER BY year DESC;

RESET

Next - SQL Review: Simple SELECT Queries

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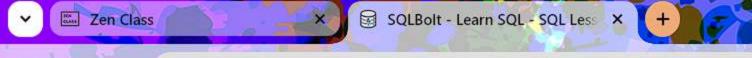










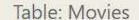












ld	Title	Director	Year	Length_minutes	::A:
11	Brave	Brenda Chapman	2012	102	
13	Cars	John Lasseter	2006	117	
7	Cars 2	John Lasseter	2011	120	
4	Finding Nemo	Andrew Stanton	2003	107	
12	Monsters University	Dan Scanlon	2013	110	

Exercise 4 — Tasks

- List all directors of Pixar movies
 (alphabetically), without duplicates ✓
- 2. List the last four Pixar movies released (ordered from most recent to least) ✓
- 3. List the **first** five Pixar movies sorted alphabetically ✓
- 4. List the **next** five Pixar movies sorted alphabetically

SELECT * FROM movies

ORDER BY title ASC

LIMIT 5 OFFSET 1;

RESET

Stuck? Read this task's Solution.

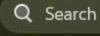
Solve all tasks to continue to the next lesson.

Finish above Tasks

Next – SQL Review: Simple SELECT Queries

Previous – SQL Lesson 3: Queries with constraints (Pt. 2)













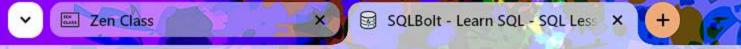




















might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies

ld	Title	Director	Year	Length_minutes	*
12	Monsters University	Dan Scanlon	2013	110	
5	Monsters, Inc.	Pete Docter	2001	92	
1	Ratatouille	Brad Bird	2007	115	
9	The Incredibles	Brad Bird	2004	116	
10	Toy Story	John Lasseter	1995	81	

Exercise 4 — Tasks

- List all directors of Pixar movies
 (alphabetically), without duplicates ✓
- 2. List the last four Pixar movies released (ordered from most recent to least) ✓
- 3. List the **first** five Pixar movies sorted alphabetically ✓
- List the **next** five Pixar movies sorted alphabetically √

SELECT * FROM movies
ORDER BY title ASC
LIMIT 5 OFFSET 5;

Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.

Continue >

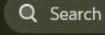
Next – SQL Review: Simple SELECT Queries

Previous – SQL Lesson 3: Queries with constraints (Pt. 2)

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☆







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

lable. North_american_cities		
City	Population	Review 1 — Tasks
Toronto	2795060	1. List all the Canadian cities and their
Montreal	1717767	populations Distail the Canadian cities and their
		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
SELECT city,population WHERE country = "Cana	on FROM north_american_cities ada";	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

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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



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

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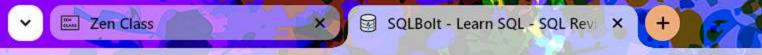


















Try and write some queries to find the information requested in the tasks you know. You may have to use a different combination of clauses in your query for each task. Once you're done, continue onto the next lesson to learn about queries that span multiple tables.

Table: North_american_cities

City Review 1 — Tasks Los Angeles 1. List all the Canadian cities and their Phoenix populations V Guadalajara 2. Order all the cities in the United States by their latitude from north to south 🗸 Mexico City 3. List all the cities west of Chicago, ordered from Ecatepec de Morelos west to east ✓ Houston 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 FROM north_american_cities WHERE longitude < -87.629798 Stuck? Read this task's Solution. ORDER BY longitude ASC; Solve all tasks to continue to the next lesson.

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

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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	Country	Population	Latitude	Longitude	A
Ecatepec de Morelos	Mexico	1742000	19.601841	-99.050674	
Guadalajara	Mexico	1500800	20.659699	-103.349609	

Review 1 — Tasks

- 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) ✓
- 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

SELECT * FROM north_american_cities
WHERE country = "Mexico"
ORDER BY population DESC
LIMIT 2 OFFSET 1;

RESET

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

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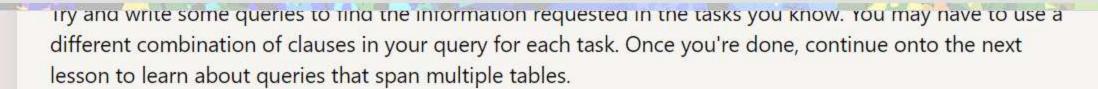


Table: North_american_cities

City	Country	Population	Latitude	Longitude	A
Chicago	United States	2718782	41.878114	-87.629798	
Houston	United States	2195914	29.760427	-95.369803	

SELECT * FROM north_american_cities WHERE country = "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 \checkmark
- 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.

Continue >

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

Previous – SQL Lesson 4: Filtering and sorting Query results















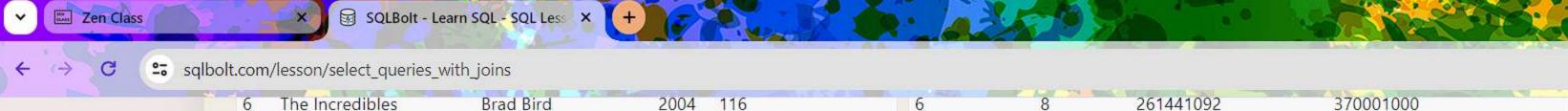












6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000
7	r	1 1 1	2000	4 4 7	^	٥٢	222000464	207502606

Id	Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	International_sa
5	Finding Nemo	Andrew Stanton	2003	107	5	8.2	380843261	555900000
14	Monsters University	Dan Scanlon	2013	110	14	7.4	268492764	475066843
8	Ratatouille	Brad Bird	2007	115	8	8	206445654	417277164
12	Cars 2	John Lasseter	2011	120	12	6.4	191452396	368400000
3	Toy Story 2	John Lasseter	1999	93	3	7.9	245852179	239163000
6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000

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.

Next - SQL Lesson 7: OUTER JOINS Previous – SQL Review: Simple SELECT Queries

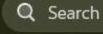
SELECT * FROM movies INNER JOIN Boxoffice

ON id = Movie_id;

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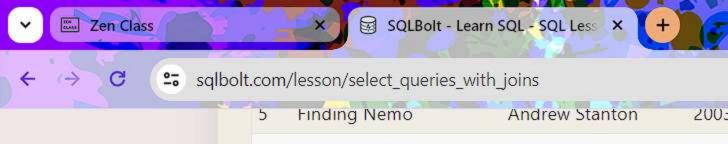














ld	Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	International_sa
5	Finding Nemo	Andrew Stanton	2003	107	5	8.2	380843261	555900000
14	Monsters University	Dan Scanlon	2013	110	14	7.4	268492764	475066843
8	Ratatouille	Brad Bird	2007	115	8	8	206445654	417277164
12	Cars 2	John Lasseter	2011	120	12	6.4	191452396	368400000
6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000
9	WALL-E	Andrew Stanton	2008	104	9	8.5	223808164	297503696

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.

Next - SQL Lesson 7: OUTER JOINS Previous – SQL Review: Simple SELECT Queries

SELECT * FROM movies INNER JOIN Boxoffice

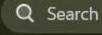
ON id = Movie_id

WHERE International_sales>Domestic_sales;

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RESET



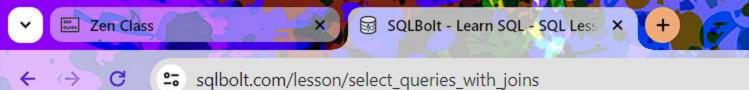




















5	Finding Nemo	Andrew Stanton	2003	10/	3	7.9	245852179	239163000
6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000
7	C	The state of	2006	447	0	0.5	222000164	207502606

ld	Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	International_sa
9	WALL-E	Andrew Stanton	2008	104	9	8.5	223808164	297503696
11	Toy Story 3	Lee U <mark>nkric</mark> h	2010	103	11	8.4	415004880	648167031
1	Toy Story	John Lasseter	1995	81	1	8.3	191796233	170162503
10	Up	Pete Docter	2009	101	10	8.3	293004164	438338580
5	Finding Nemo	Andrew Stanton	2003	107	5	8.2	380843261	555900000
4	Monsters,	Pete	2001	92	4	8.1	289916256	272900000

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.

Continue >

Next - SQL Lesson 7: OUTER JOINS Previous – SQL Review: Simple SELECT Queries

SELECT * FROM movies INNER JOIN Boxoffice

ORDER BY rating DESC;

ON id = Movie_id

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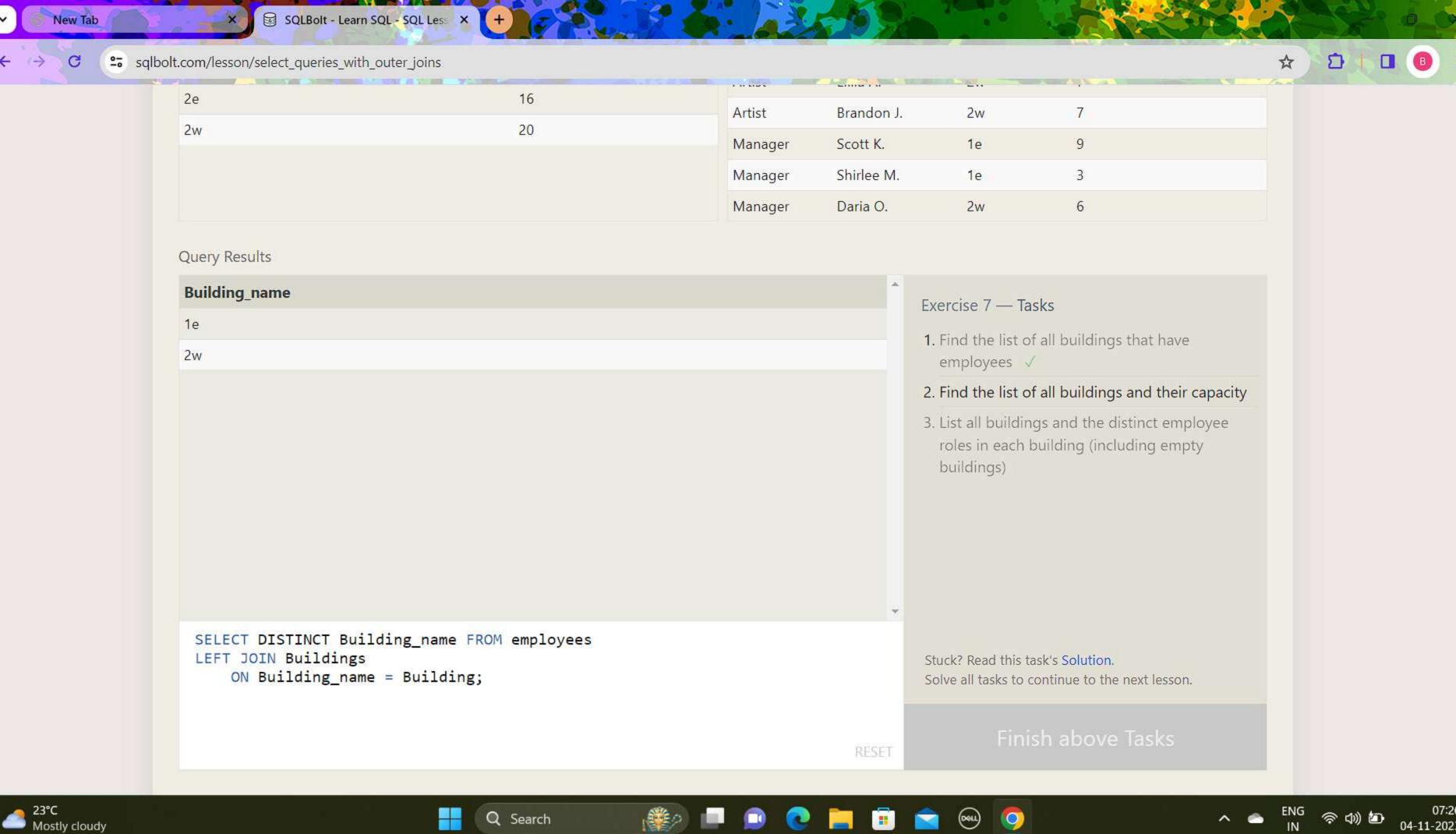


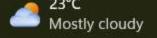




















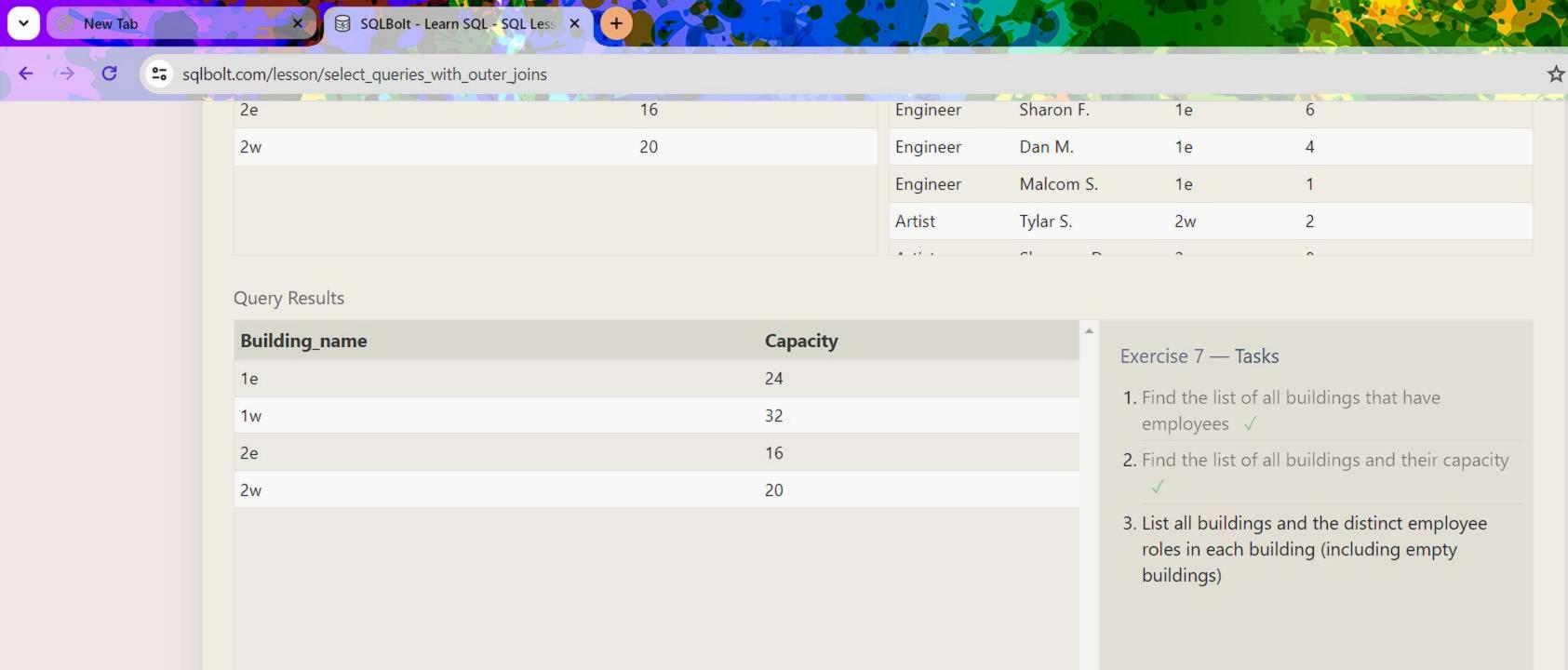












Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.

Finish above Task



SELECT * FROM Buildings;











RESET

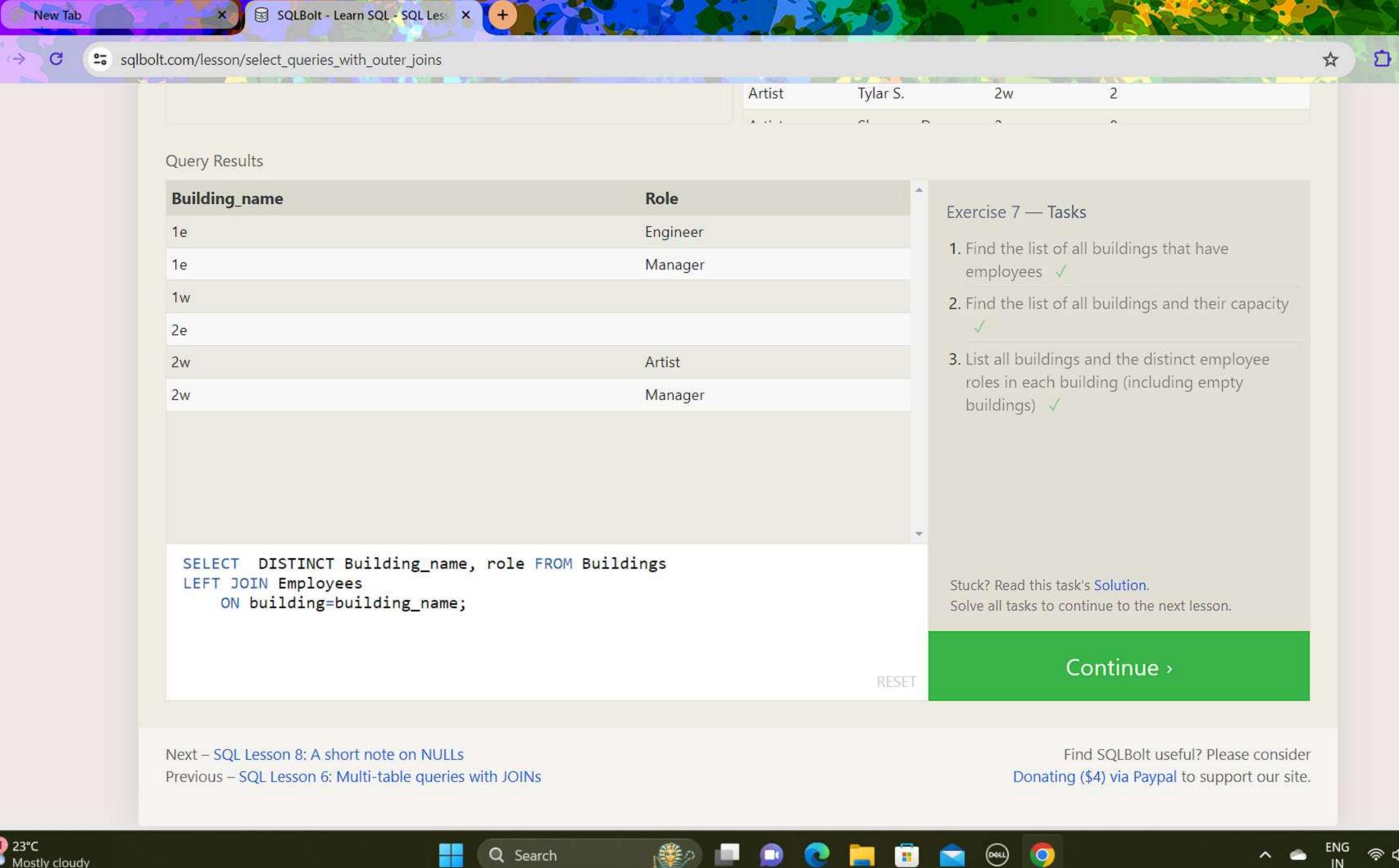






















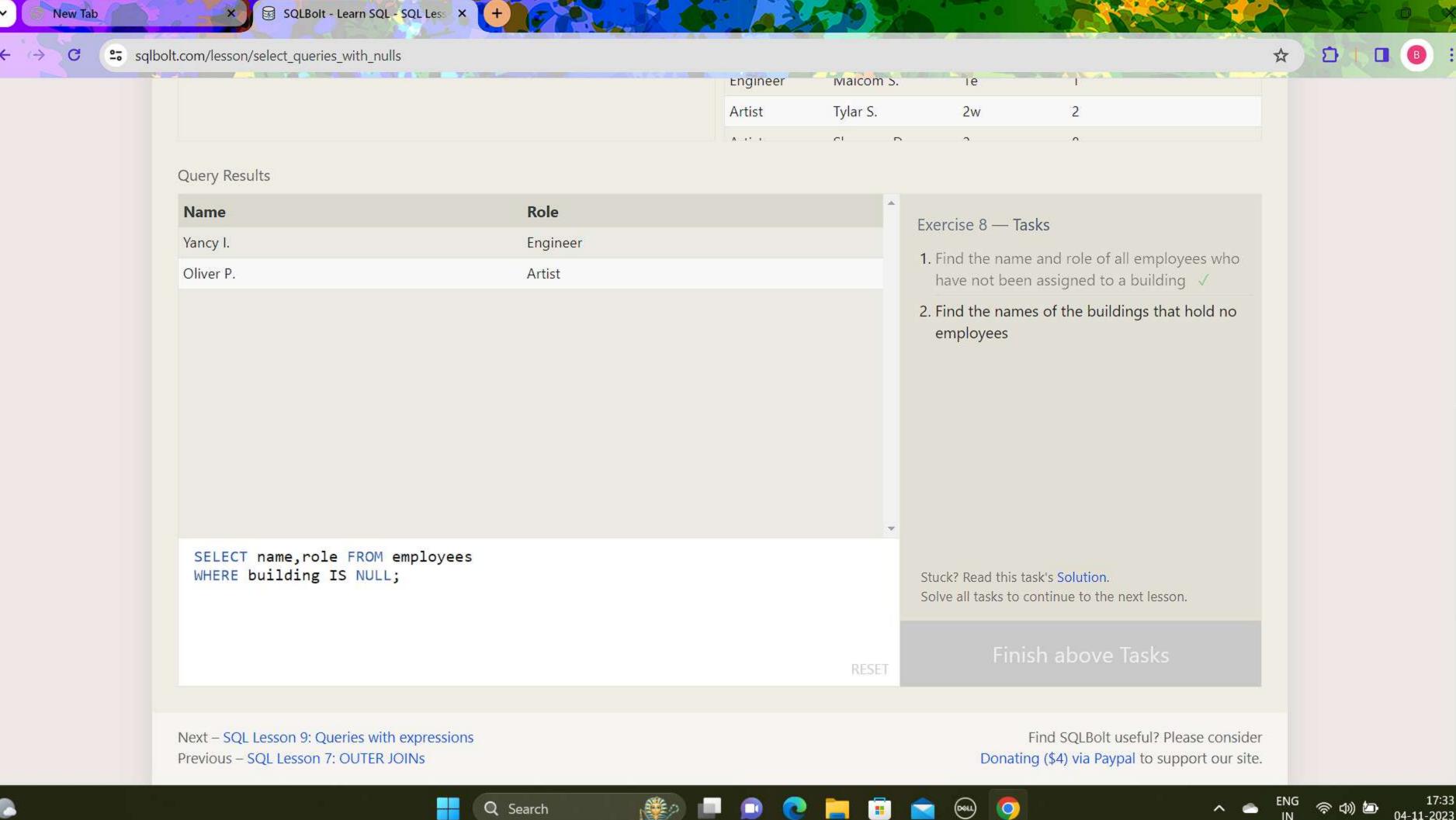














Artist Oliver P.

Query Results

Building_name	Capacity	Role	Name	Building	Years_employed	^
1w	32					
2e	16					

Exercise 8 — Tasks

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

SELECT * FROM buildings LEFT JOIN Employees ON building_name=building WHERE years_employed IS NULL;

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Continue >

Next – SQL Lesson 9: Queries with expressions Previous – SQL Lesson 7: OUTER JOINs

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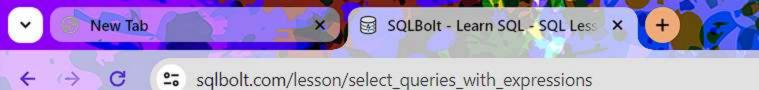




















14 Monsters University Dan Scanlon	2013 110	
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title,

INNER JOIN boxoffice

FROM movies

Title	Sales	
Finding Nemo	936.743261	
Monsters University	743.559607	
Ratatouille	623.722818	
Cars 2	559.852396	
Toy Story 2	485.015179	
The Incredibles	631.442092	
WALL-E	521.31 <mark>1</mark> 86	
Toy Story 3	1063.171911	
Toy Story	361.958736	
Cars	461.9831 <mark>4</mark> 9	~

 List all movies and their combined sales in millions of dollars ✓

Exercise 9 — Tasks

- 2. List all movies and their ratings in percent
- 3. List all movies that were released on even number years

Stuck? Read this task's Solution.

Solve all tasks to continue to the next lesson.

inish above Tasks

Next – SQL Lesson 10: Queries with aggregates (Pt. 1)

Previous – SQL Lesson 8: A short note on NULLs

ON movies.id = boxoffice.movie_id;

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(domestic_sales + international_sales) / 1000000 AS sales









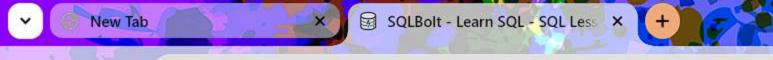












sqlbolt.com/lesson/select_queries_with_expressions











Query Results

FROM movies

INNER JOIN boxoffice

Title	Percent	<u> </u>
Finding Nemo	82	
Monsters University	74	
Ratatouille	80	
Cars 2	64	
Toy Story 2	79	
The Incredibles	80	
WALL-E	85	
Toy Story 3	84	
Toy Story	83	
Cars	72	~

Exercise 9 — Tasks

- 1. List all movies and their combined sales in millions of dollars \
- 2. List all movies and their ratings in percent 🗸
- 3. List all movies that were released on even number years

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

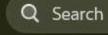
Next – SQL Lesson 10: Queries with aggregates (Pt. 1) Previous - SQL Lesson 8: A short note on NULLs

SELECT title, rating*10 AS percent

ON movies.id = boxoffice.movie_id;

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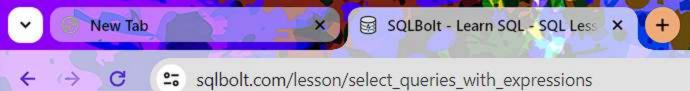












6 The Incredibles



2000

Brad Bird

Query Results

ld	Title	Director	Year	Length_minutes	
2	A Bug's Life	John Lasseter	1998	95	
6	The Incredibles	Brad Bird	2004	116	
7	Cars	John Lasseter	2006	117	
9	WALL-E	Andrew Stanton	2008	104	
11	Toy Story 3	Lee Unkrich	2010	103	
13	Brave	Brenda Chapman	2012	102	

2004 116

Exercise 9 — Tasks

222000464

1. List all movies and their combined sales in millions of dollars 🗸

207502606

- 2. List all movies and their ratings in percent 🗸
- 3. List all movies that were released on even number years 🗸

SELECT * FROM movies WHERE year%2==0;

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

RESET

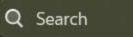
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Next – SQL Lesson 10: Queries with aggregates (Pt. 1) Previous - SQL Lesson 8: A short note on NULLs

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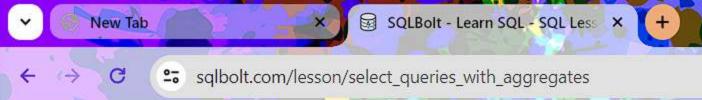












For this exercise, we are going to work with our **Employees** table. Notice how the rows in this table have shared data, which will give us an opportunity to use aggregate functions to summarize some high-level metrics about the teams. Go ahead and give it a shot.

Table: Employees

Longest Exercise 10 — Tasks 9 1. Find the longest time that an employee has been at the studio 🗸 2. For each role, find the average number of years employed by employees in that role 3. Find the total number of employee years worked in each building SELECT MAX(years_employed) AS Longest FROM employees; Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson. RESET































sqlbolt.com/lesson/select_queries_with_aggregates









shared data, which will give us an opportunity to use aggregate functions to summarize some high-level metrics about the teams. Go ahead and give it a shot.

Table: Employees

Role	AVG(Years_employed)	
Artist	6	
Engineer	3.4	
Manager	6	2

Exercise 10 — Tasks

- Find the longest time that an employee has been at the studio ✓
- 2. For each role, find the average number of years employed by employees in that role ✓
- 3. Find the total number of employee years worked in each building

SELECT role, AVG(Years_employed) FROM employees GROUP BY role;

Stuck? Read this task's Solution.

Solve all tasks to continue to the next lesson.

Finish above Tasks

Next – SQL Lesson 11: Queries with aggregates (Pt. 2)

Previous – SQL Lesson 9: Queries with expressions

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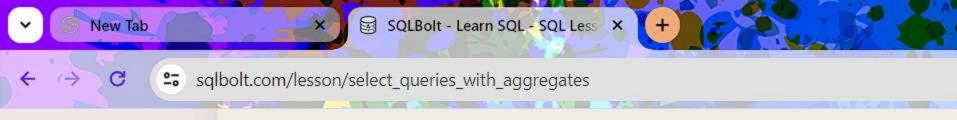


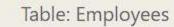












Role	Name	Building	Years_employed	SUM(Years_employed)	*
Manager	Shirlee M.	1e	3	29	
Manager	Daria O.	2w	6	36	

SELECT * ,SUM(years_employed) FROM employees GROUP BY building;

Next – SQL Lesson 11: Queries with aggregates (Pt. 2)

Previous – SQL Lesson 9: Queries with expressions

RESET

Exercise 10 — Tasks

- 1. Find the longest time that an employee has been at the studio 🗸
- 2. For each role, find the average number of years employed by employees in that role ✓
- 3. Find the total number of employee years worked in each building 🗸

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Continue >

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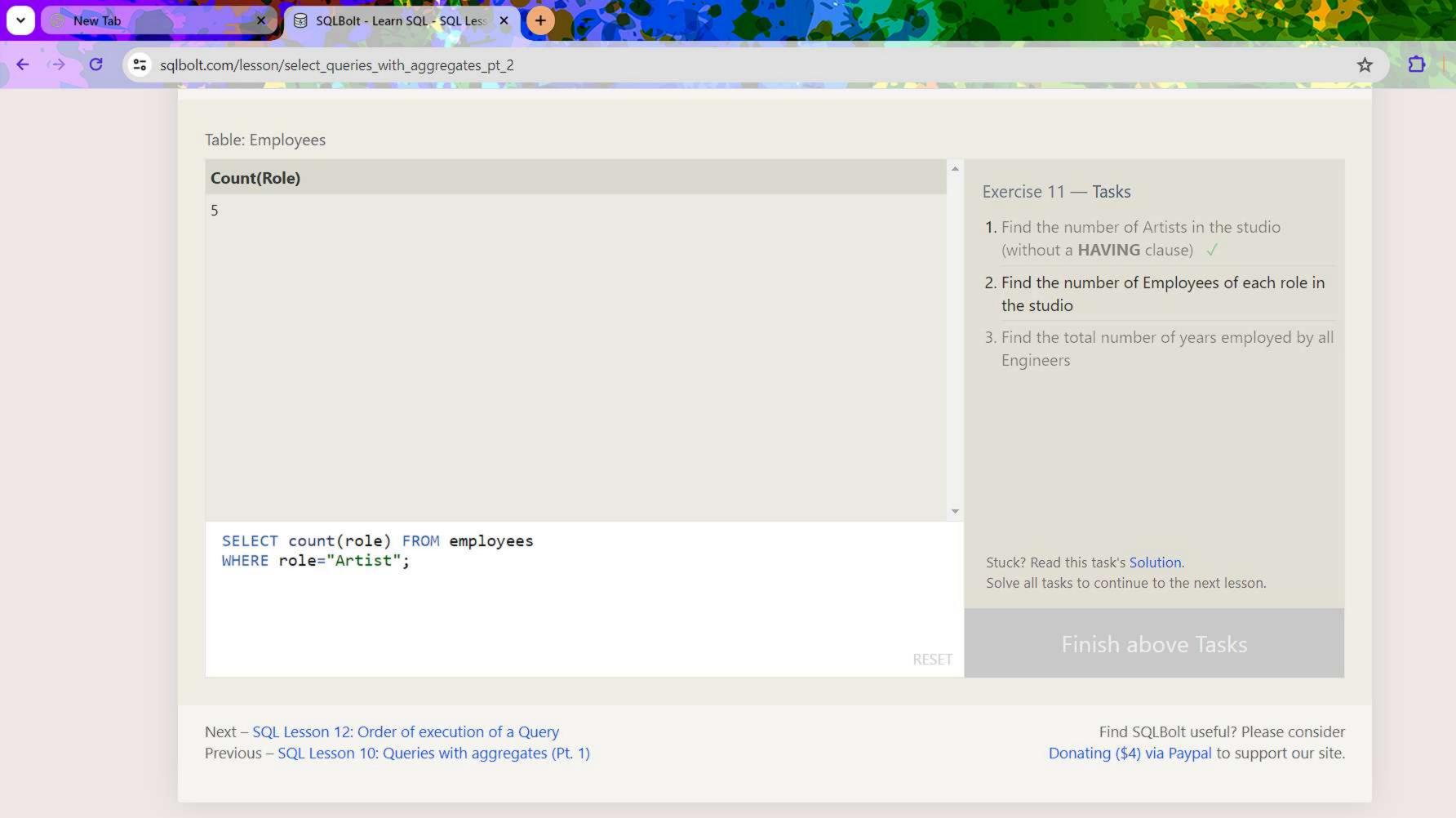
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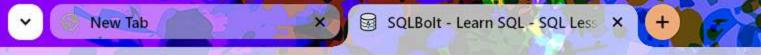












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different clauses you want to apply for each task.

Table: Employees

Role	Number_of_employees	Exercise 11 — Tasks
Artist	5	
Engineer	5	1. Find the number of (without a HAVING
Manager	3	2. Find the number of the studio ✓
		3. Find the total numb Engineers

- number of Artists in the studio HAVING clause) √
- number of Employees of each role in
- otal number of years employed by all

SELECT role, count(name) AS Number_of_employees FROM employees GROUP BY role;

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Next – SQL Lesson 12: Order of execution of a Query Previous – SQL Lesson 10: Queries with aggregates (Pt. 1)

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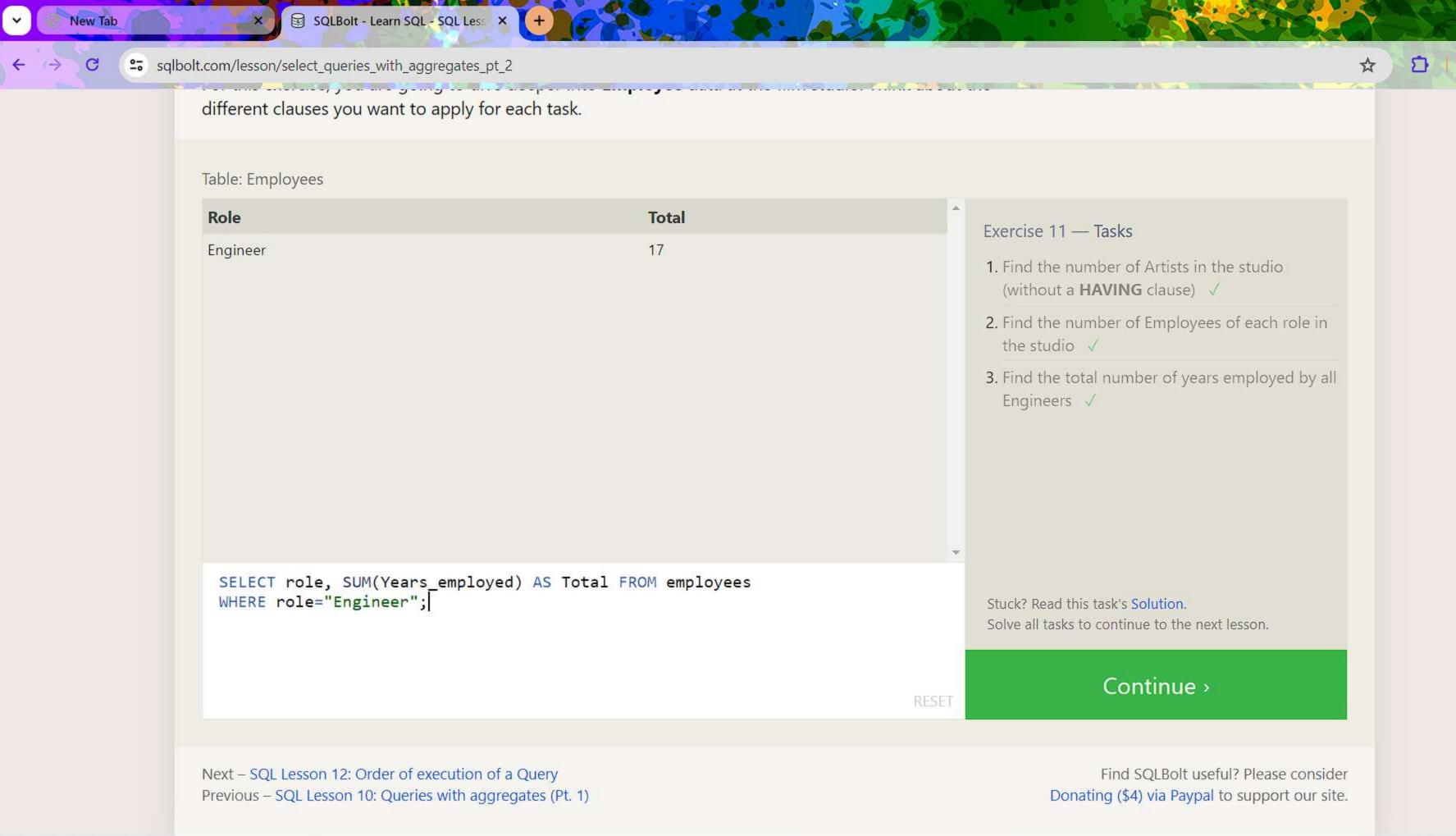












Weather alert

























sqlbolt.com/lesson/select_queries_order_of_execution









5	rinaing ivemo	Andrew Stanton	2003	107	3	1.9	245852179	239163000	
6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000	
_									

Query Results

Director	COUNT(Director)	<u> </u>
Andrew Stanton	2	
Brad Bird	2	
Brenda Chapman	1	
Dan Scanlon	1	
John Lasseter	5	
Lee Unkrich	1	
Pete Docter	2	

Exercise 12 — Tasks

- 1. Find the number of movies each director has directed √
- 2. Find the total domestic and international sales that can be attributed to each director

SELECT director, COUNT(director) FROM movies GROUP BY director;

Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Next – SQL Lesson 13: Inserting rows

Previous – SQL Lesson 11: Queries with aggregates (Pt. 2)

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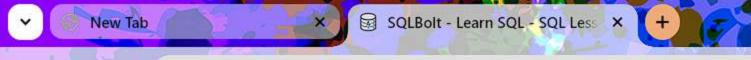












sqlbolt.com/lesson/select_queries_order_of_execution









		The second secon							
5	Finding Nemo	Andrew Stanton	2003	107	3	7.9	245852179	239163000	
6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000	
7	e e	THE RESERVE	2006	447	0	0.5	222000464	207502606	

Query Results

Director	Total	A
Andrew Stanton	1458055121	
Brad Bird	1255164910	
Brenda Chapman	538983207	
Dan Scanlon	743559607	
John Lasseter	2232208025	
Lee Unkrich	1063171911	
Pete Docter	1294159000	

Exercise 12 — Tasks

- Find the number of movies each director has directed √
- 2. Find the total domestic and international sales that can be attributed to each director ✓

SELECT director,SUM(domestic_sales+international_sales) AS total FROM movies
INNER JOIN Boxoffice
 ON id = movie_id
GROUP BY director;

Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.

Continue >

Next – SQL Lesson 13: Inserting rows

Previous – SQL Lesson 11: Queries with aggregates (Pt. 2)

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