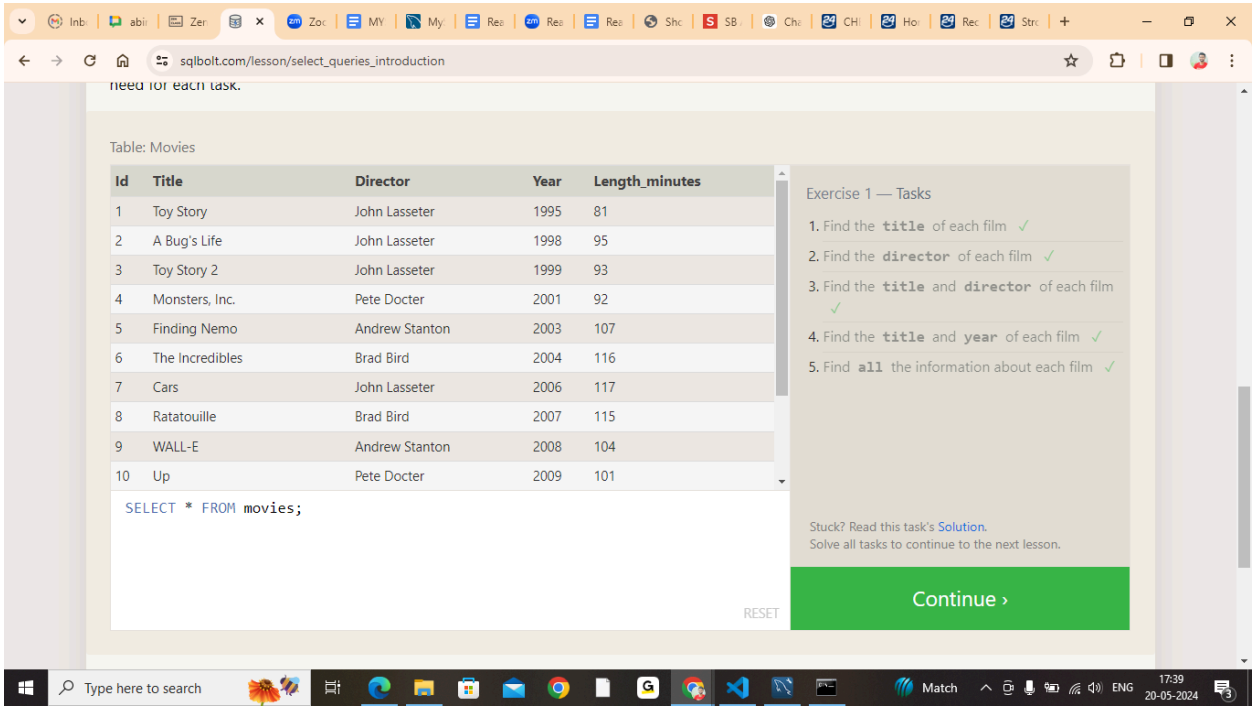
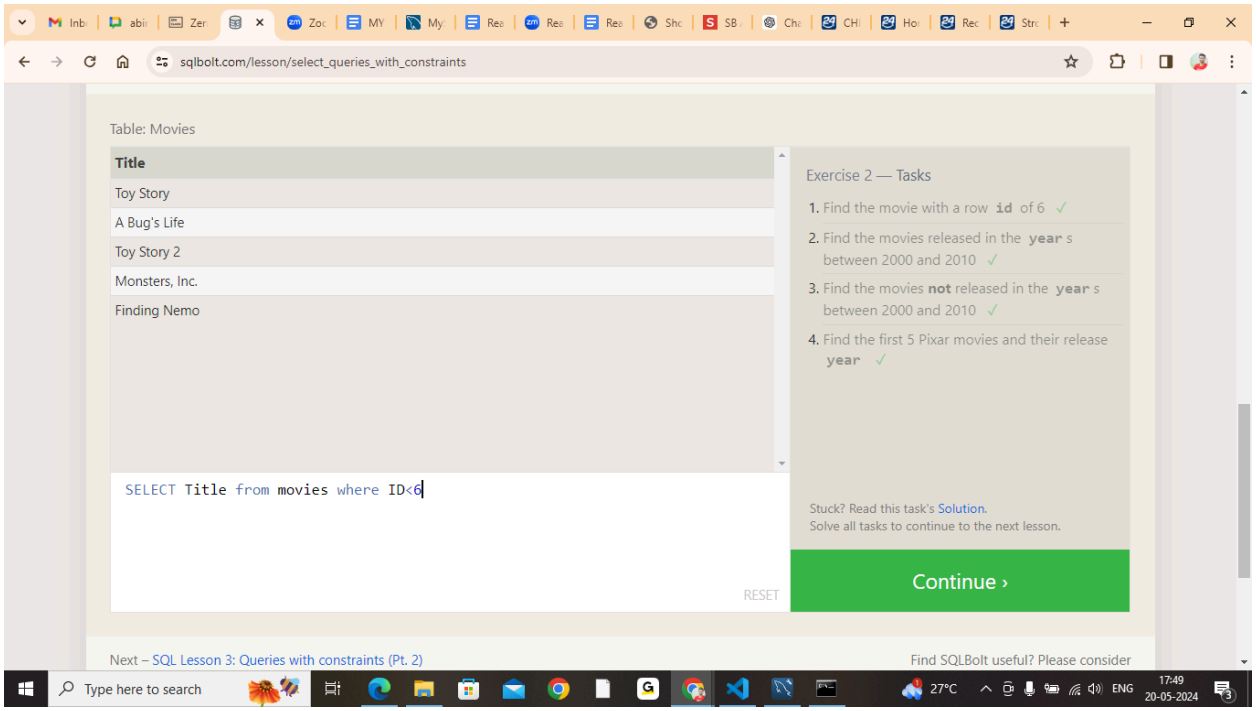
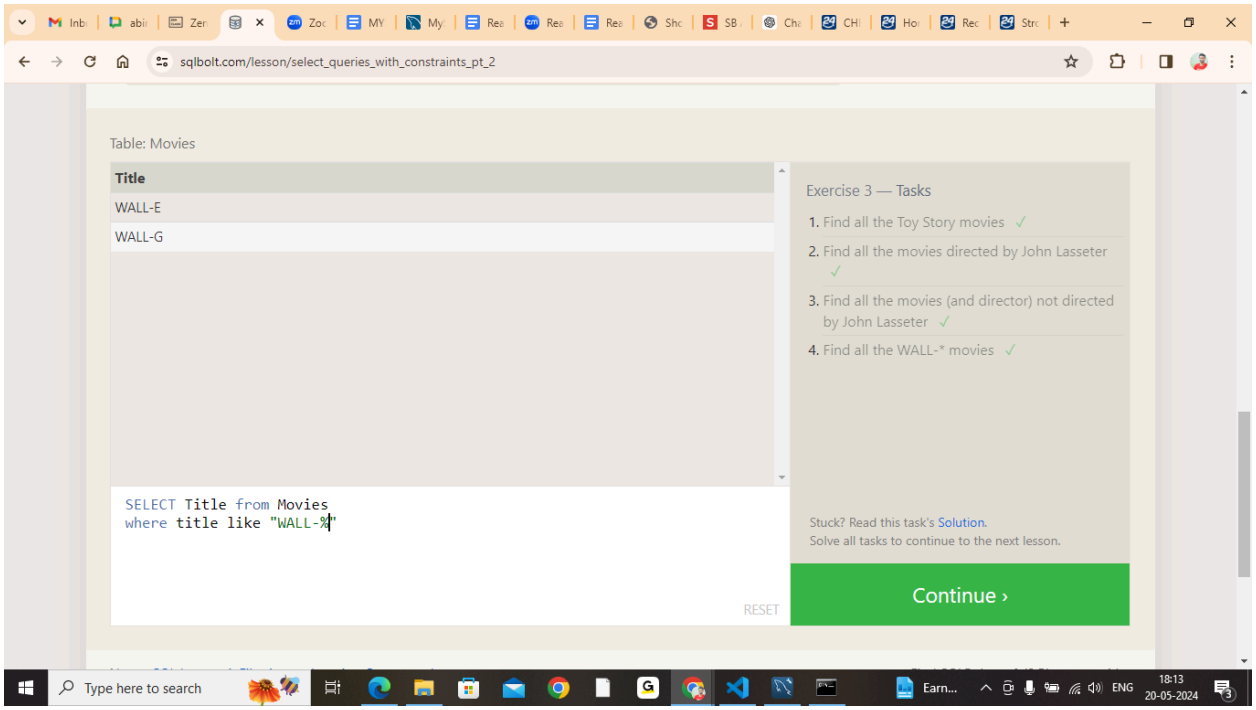
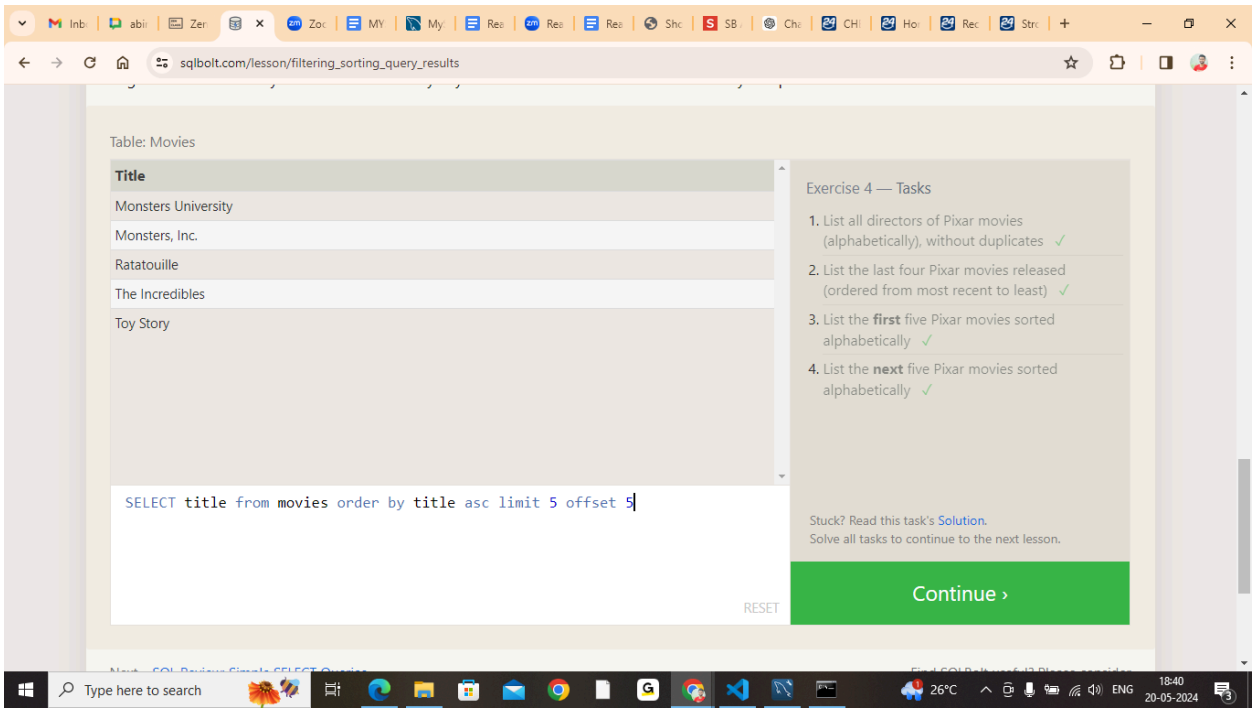
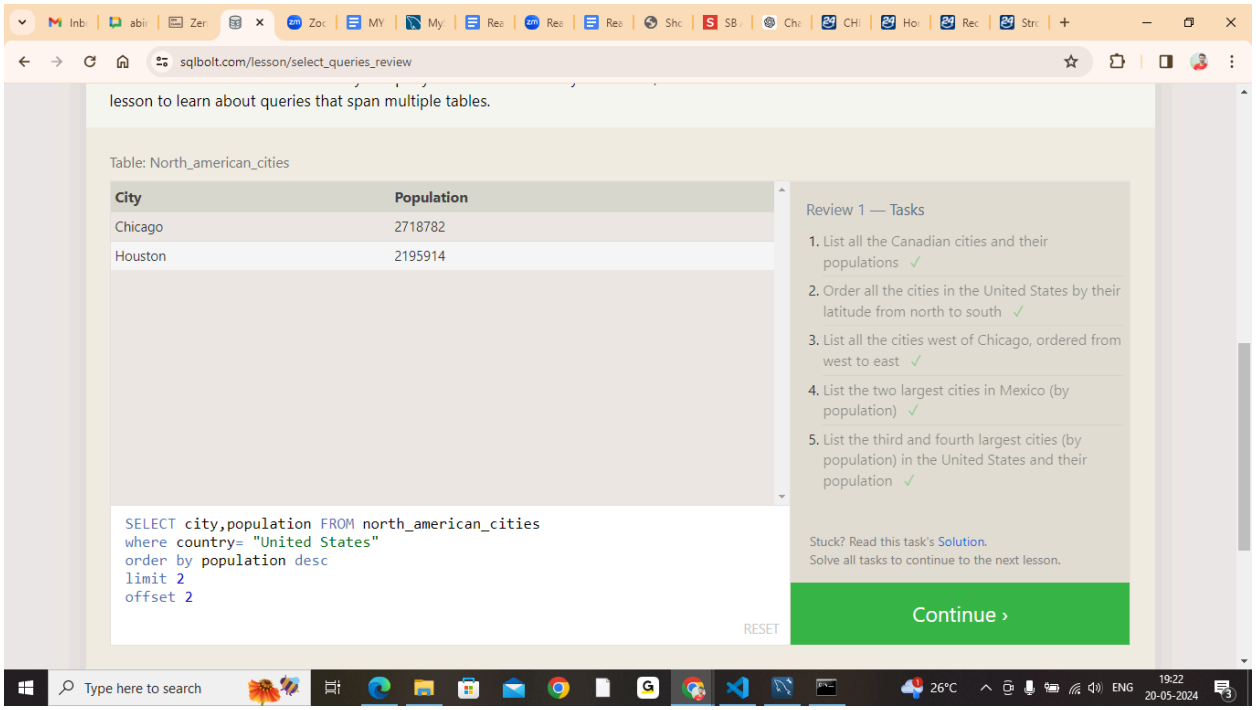
Below are the screenshots of the SQL exercises from 1 to 18

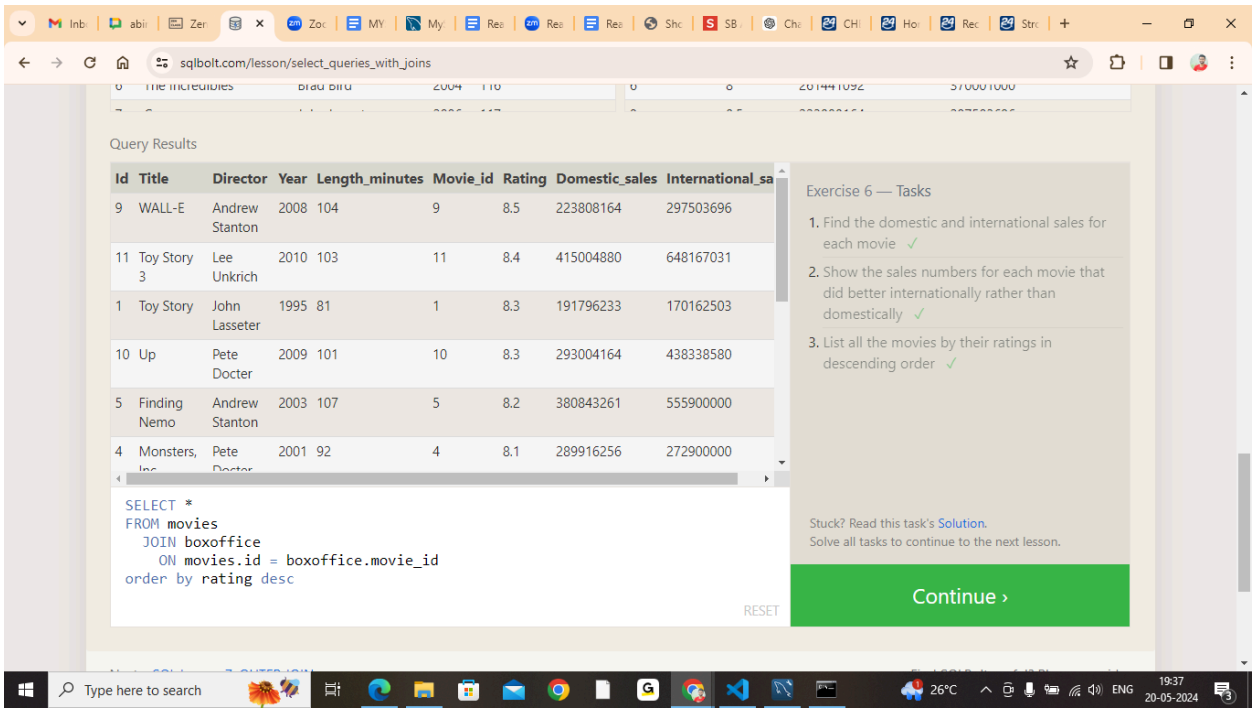


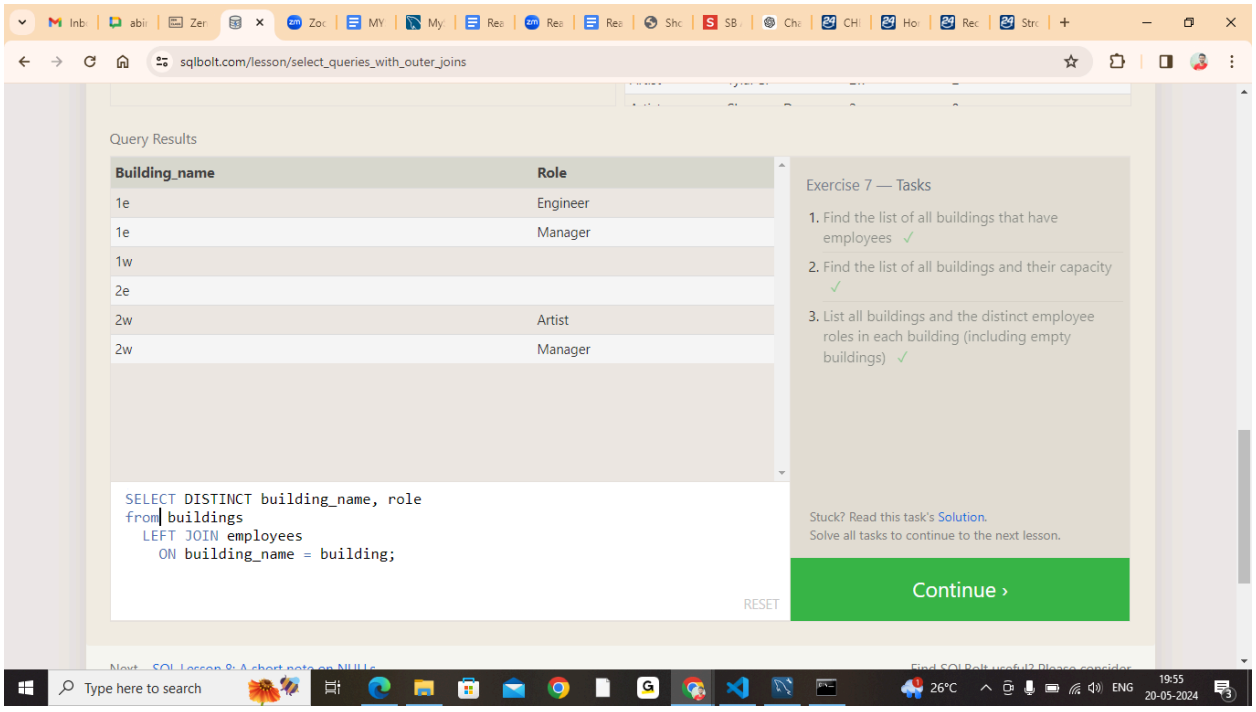



sqlbolt.com/lesson/select_queries_with_constraints_pt_2
Table: Movies
Title
WALL-E
WALL-G
Exercise 3 — Tasks
1. Find all the Toy Story movies ✓
2. Find all the movies directed by John Lasseter ✓
3. Find all the movies (and director) not directed by John Lasseter ✓
4. Find all the WALL-* movies ✓
SELECT Title from Movies
where title like "WALL-%"
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
Type here to search
ENG
18:13
20-05-2024


sqlbolt.com/lesson/filtering_sorting_query_results
Table: Movies
Title
Monsters University
Monsters, Inc.
Ratatouille
The Incredibles
Toy Story
Exercise 4 — Tasks
1. 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 title 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.
RESET
Continue ›
Type here to search
26°C
ENG
18:40
20-05-2024


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
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 ✓
SELECT city,population FROM north_american_cities
where country= "United States"
order by population desc
limit 2
offset 2
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Type here to search
26°C
ENG
19:22
20-05-2024


sqlbolt.com/lesson/select_queries_with_joins
Query Results
Id 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 Unkrich 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 ✓
SELECT *
FROM movies
JOIN boxoffice
ON movies.id = boxoffice.movie_id
order by rating desc
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Type here to search
26°C
ENG
19:37
20-05-2024


sqlbolt.com/lesson/select_queries_with_outer_joins
Query Results
Building_name
Role
1e
Engineer
1e
Manager
1w
2e
2w
Artist
2w
Manager
Exercise 7 — Tasks
1. Find the list of all buildings that have employees ✓
2. Find the list of all buildings and their capacity ✓
3. List all buildings and the distinct employee roles in each building (including empty buildings) ✓
SELECT DISTINCT building_name, role
from buildings
LEFT JOIN employees
ON building_name = building;
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
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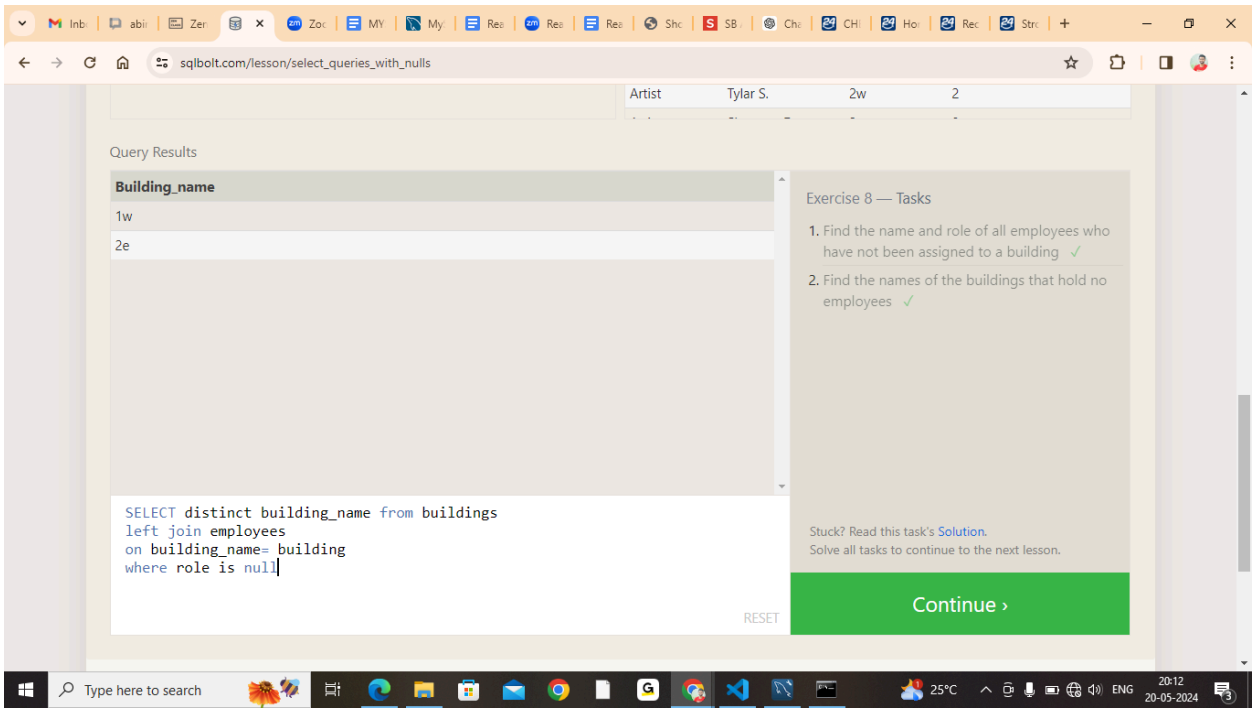
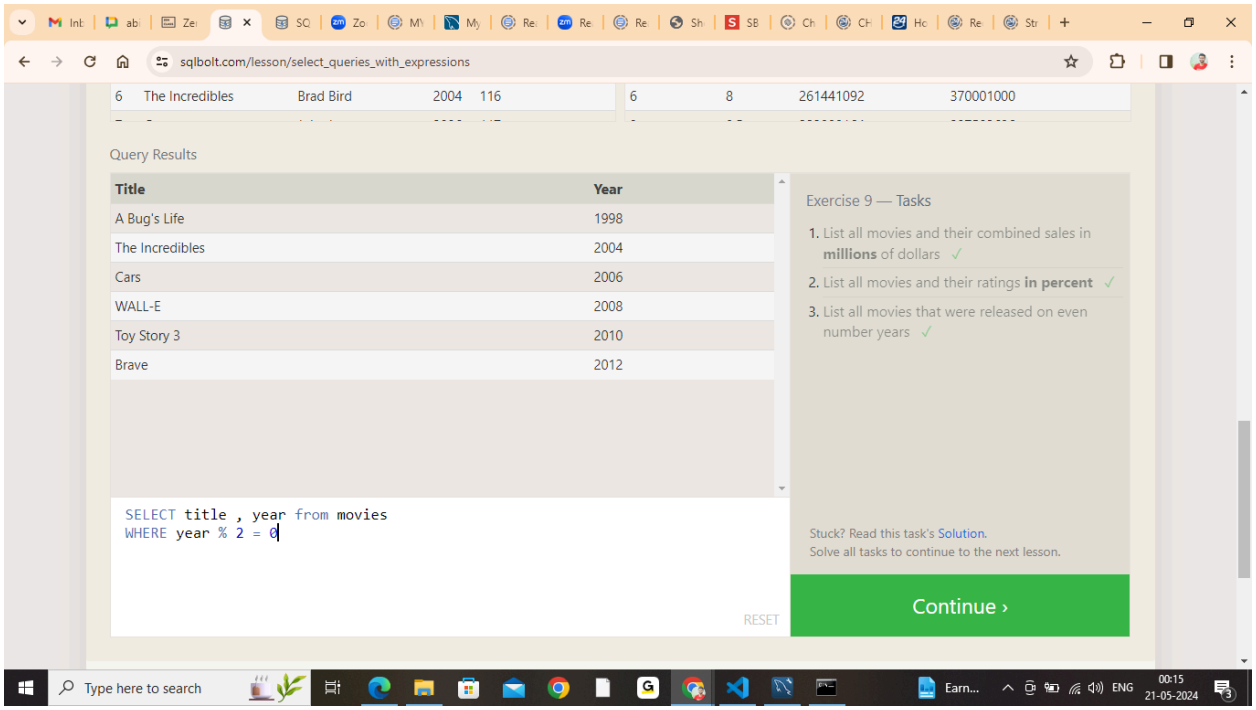
26°C
ENG
19:55
20-05-2024


sqlbolt.com/lesson/select_queries_with_nulls
Artist
Tylar S.
2w
2
Query Results
Building_name
1w
2e
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 distinct building_name from buildings
left join employees
on building_name= building
where role is null
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Type here to search
25°C
ENG
20:12
20-05-2024


sqlbolt.com/lesson/select_queries_with_expressions
6 The Incredibles Brad Bird 2004 116 6 8 261441092 370001000
Query Results
Title Year
A Bug's Life 1998
The Incredibles 2004
Cars 2006
WALL-E 2008
Toy Story 3 2010
Brave 2012
SELECT title , year from movies
WHERE year % 2 = 0
RESET
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.
Continue ›
Type here to search
ENG
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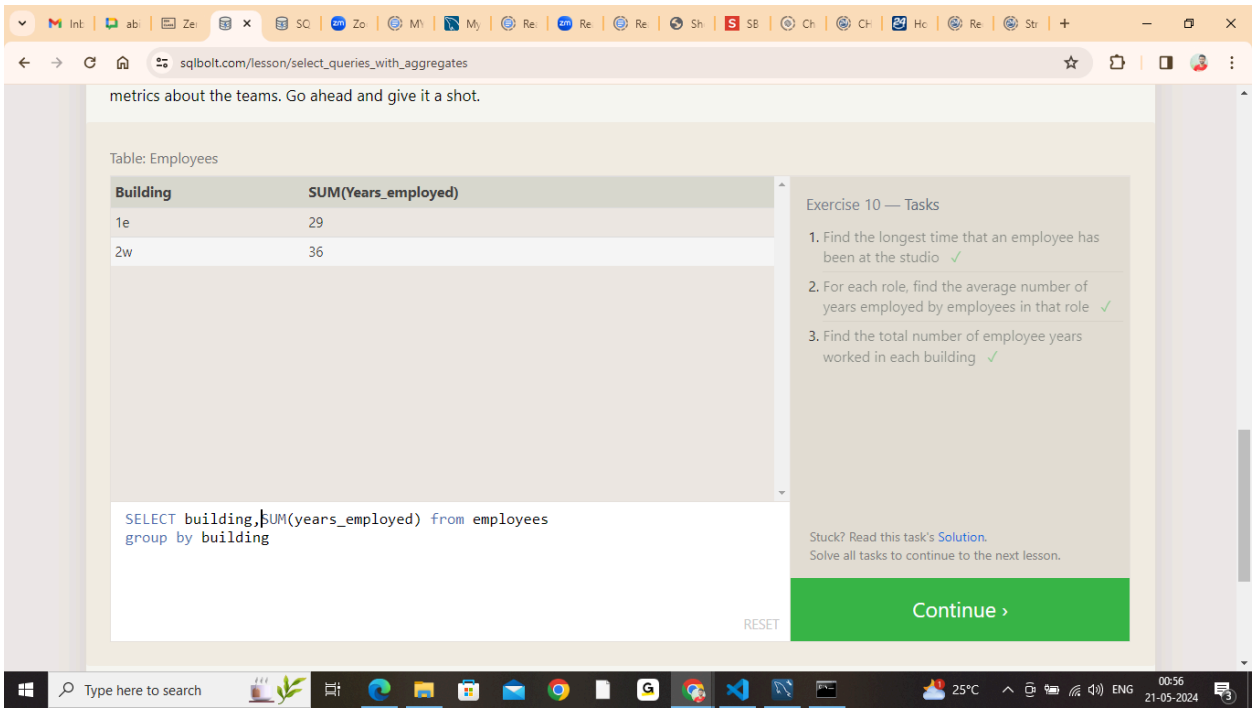
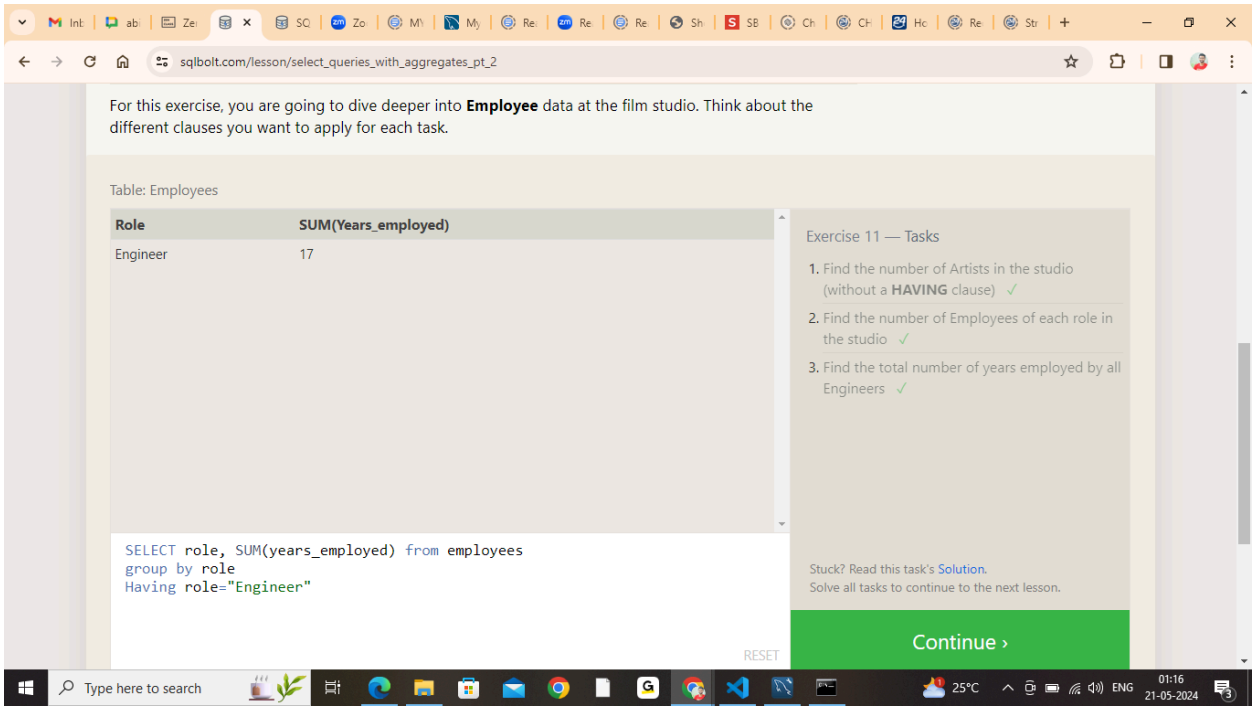
21-05-2024


sqlbolt.com/lesson/select_queries_with_aggregates
metrics about the teams. Go ahead and give it a shot.
Table: Employees
Building SUM(Years_employed)
1e 29
2w 36
SELECT building,SUM(years_employed) from employees
group by building
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 ›
Type here to search
25°C
ENG
00:56
21-05-2024


sqlbolt.com/lesson/select_queries_with_aggregates_pt_2
For this exercise, you are going to dive deeper into **Employee** data at the film studio. Think about the different clauses you want to apply for each task.
Table: Employees
Role
SUM(Years_employed)
Engineer
17
Exercise 11 — Tasks
1. Find the number of Artists in the studio (without a HAVING clause) ✓
2. Find the number of Employees of each role in the studio ✓
3. Find the total number of years employed by all Engineers ✓
SELECT role, SUM(years_employed) from employees
group by role
Having role="Engineer"
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
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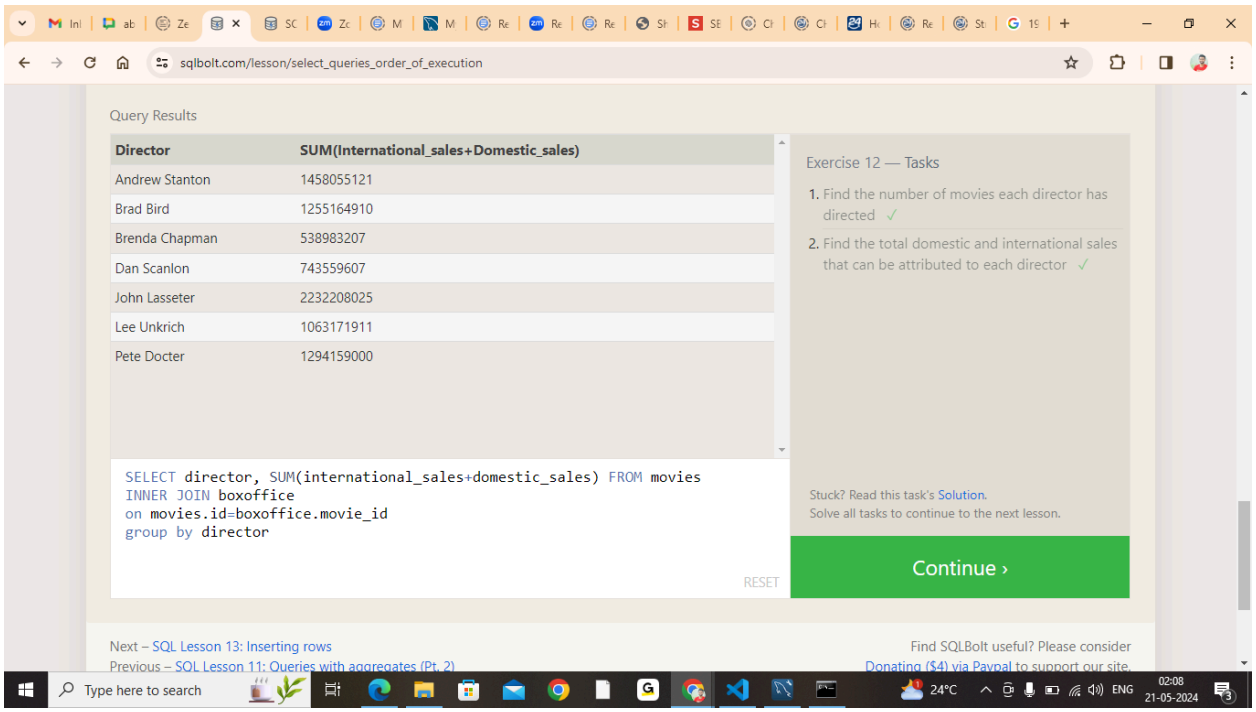
21-05-2024


sqlbolt.com/lesson/select_queries_order_of_execution
Query Results
Director
SUM(International_sales+Domestic_sales)
Andrew Stanton
1458055121
Brad Bird
1255164910
Brenda Chapman
538983207
Dan Scanlon
743559607
John Lasseter
2232208025
Lee Unkrich
1063171911
Pete Docter
1294159000
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, SUM(international_sales+domestic_sales) FROM movies
INNER JOIN boxoffice
on movies.id=boxoffice.movie_id
group by director
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
Next – SQL Lesson 13: Inserting rows
Previous – SQL Lesson 11: Queries with aggregates (Pt. 2)
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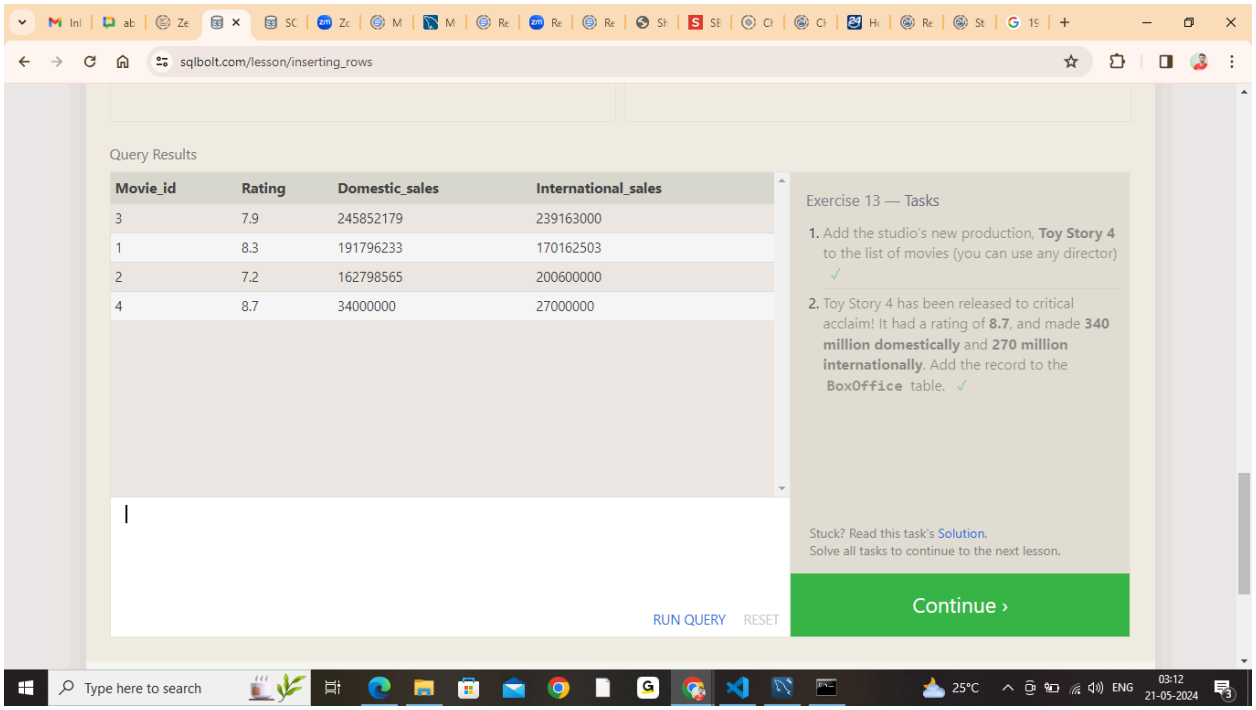
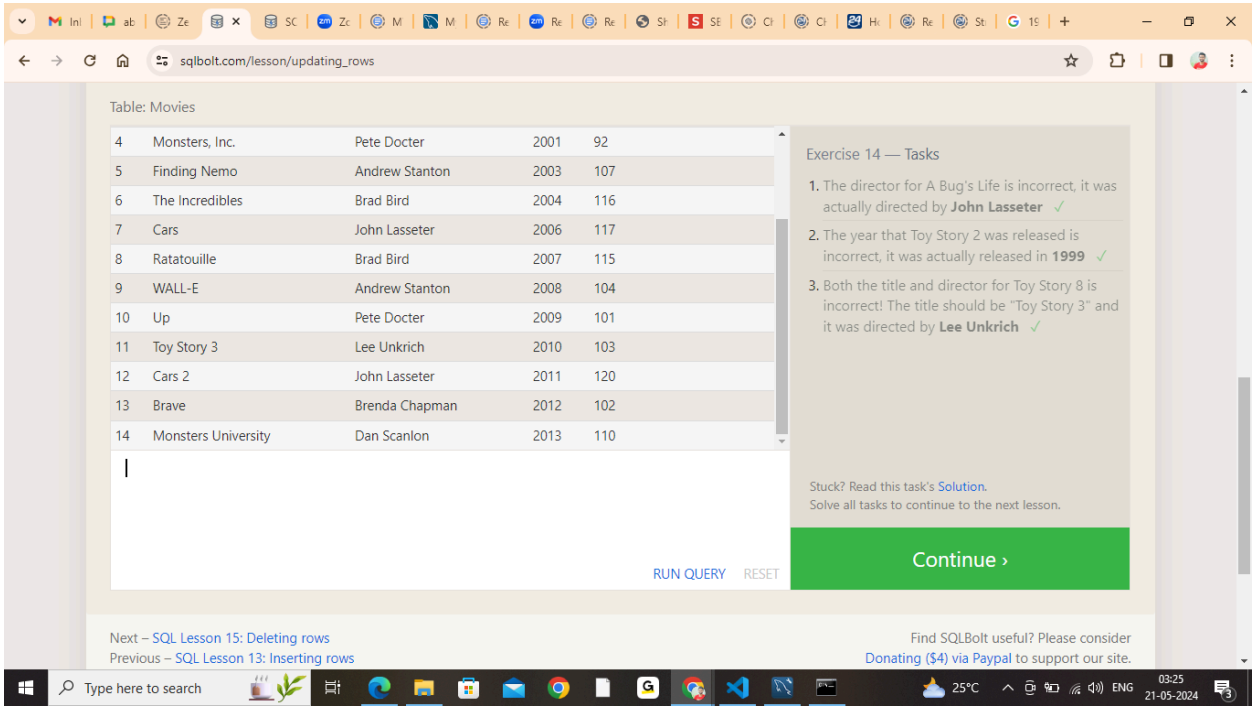

sqlbolt.com/lesson/inserting_rows
Query Results
Movie_id Rating Domestic_sales International_sales
3 7.9 245852179 239163000
1 8.3 191796233 170162503
2 7.2 162798565 200600000
4 8.7 34000000 27000000
Exercise 13 — Tasks
1. Add the studio's new production, Toy Story 4 to the list of movies (you can use any director) ✓
2. Toy Story 4 has been released to critical acclaim! It had a rating of 8.7, and made 340 million domestically and 270 million internationally. Add the record to the BoxOffice table. ✓
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY RESET
Continue ›
Type here to search
25°C
ENG
03:12
21-05-2024


sqlbolt.com/lesson/updating_rows
Table: Movies
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
12 Cars 2 John Lasseter 2011 120
13 Brave Brenda Chapman 2012 102
14 Monsters University Dan Scanlon 2013 110
Exercise 14 — Tasks
1. The director for A Bug's Life is incorrect, it was actually directed by John Lasseter ✓
2. The year that Toy Story 2 was released is incorrect, it was actually released in 1999 ✓
3. Both the title and director for Toy Story 8 is incorrect! The title should be "Toy Story 3" and it was directed by Lee Unkrich ✓
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY RESET
Continue ›
Next – SQL Lesson 15: Deleting rows
Previous – SQL Lesson 13: Inserting rows
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ENG
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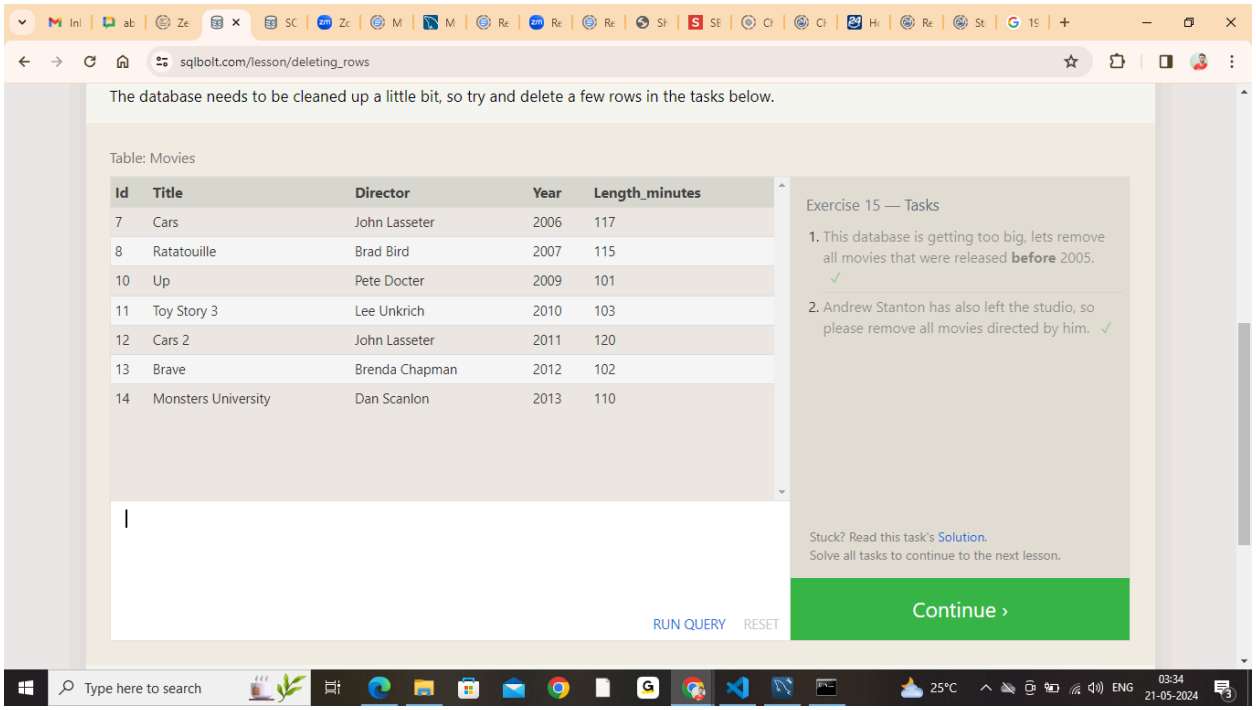
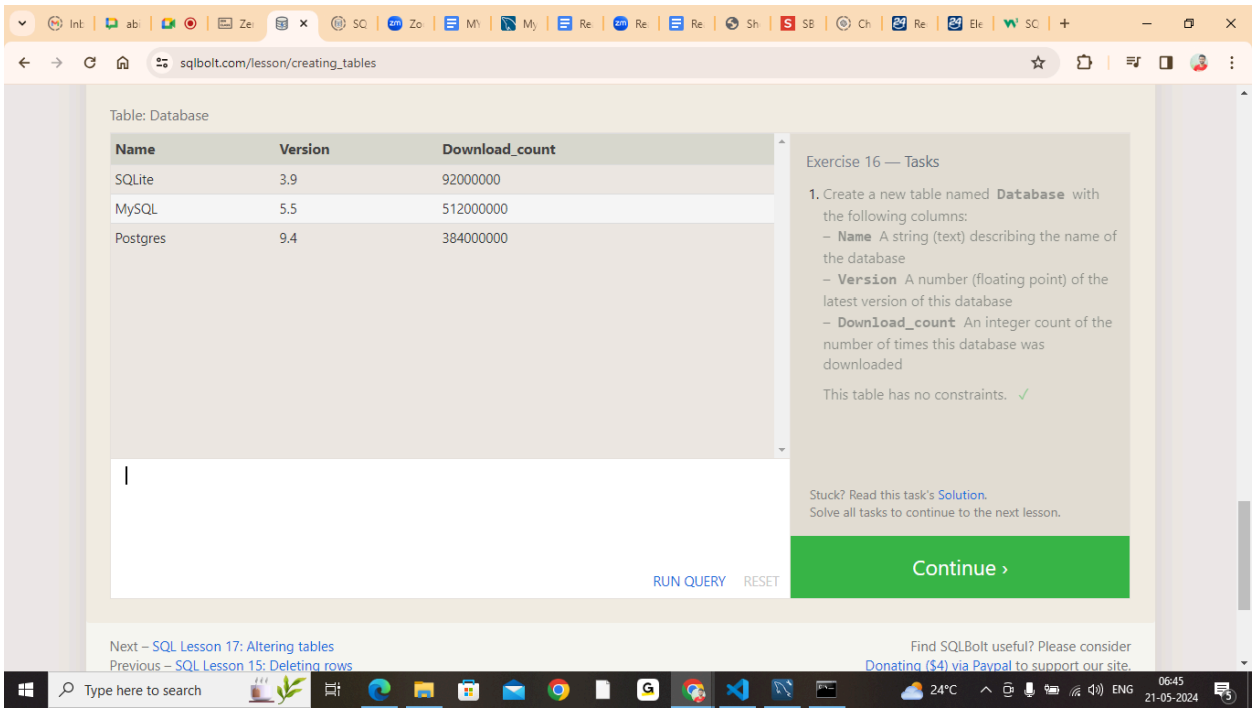

sqlbolt.com/lesson/deleting_rows
The database needs to be cleaned up a little bit, so try and delete a few rows in the tasks below.
Table: Movies
Id Title Director Year Length_minutes
7 Cars John Lasseter 2006 117
8 Ratatouille Brad Bird 2007 115
10 Up Pete Docter 2009 101
11 Toy Story 3 Lee Unkrich 2010 103
12 Cars 2 John Lasseter 2011 120
13 Brave Brenda Chapman 2012 102
14 Monsters University Dan Scanlon 2013 110
Exercise 15 — Tasks
1. This database is getting too big, lets remove all movies that were released before 2005.
2. Andrew Stanton has also left the studio, so please remove all movies directed by him.
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY
RESET
Continue ›
Type here to search
25°C
ENG
03:34
21-05-2024


sqlbolt.com/lesson/creating_tables
Table: Database
Name Version Download_count
SQLite 3.9 92000000
MySQL 5.5 512000000
Postgres 9.4 384000000
Exercise 16 — Tasks
1. Create a new table named Database with the following columns:
– Name A string (text) describing the name of the database
– Version A number (floating point) of the latest version of this database
– Download_count An integer count of the number of times this database was downloaded
This table has no constraints.
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY
RESET
Continue ›
Next – SQL Lesson 17: Altering tables
Previous – SQL Lesson 15: Deleting rows
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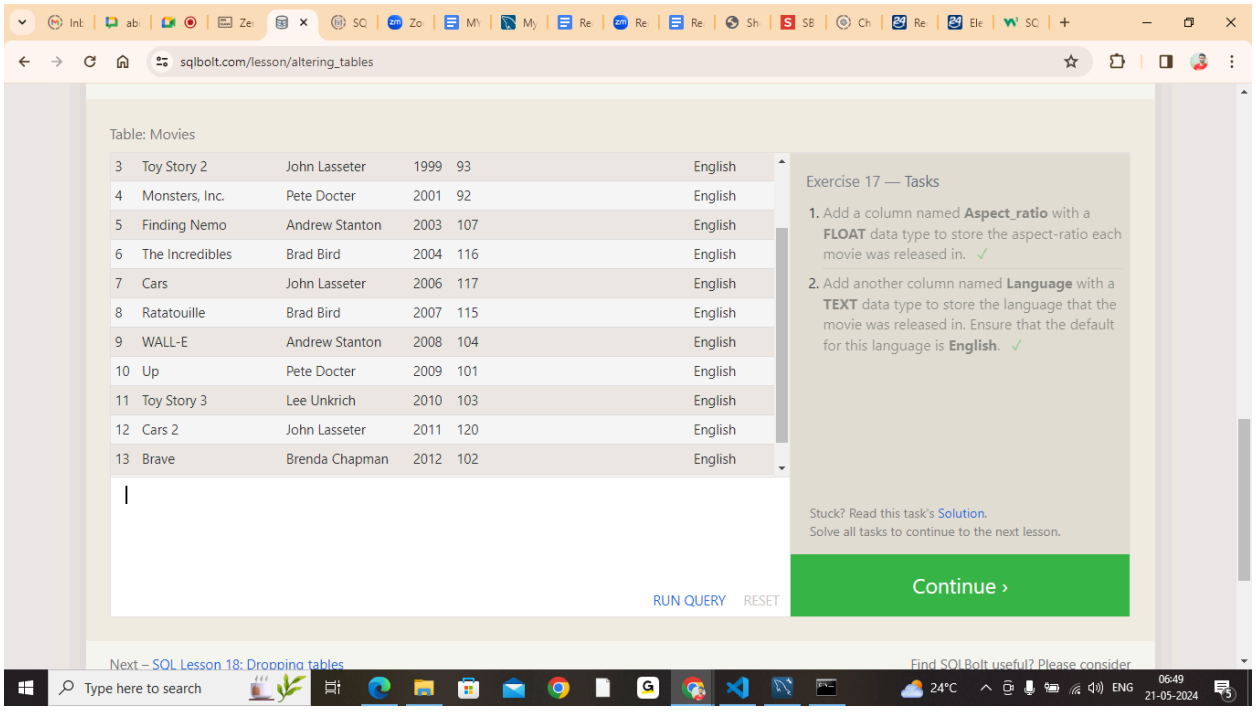
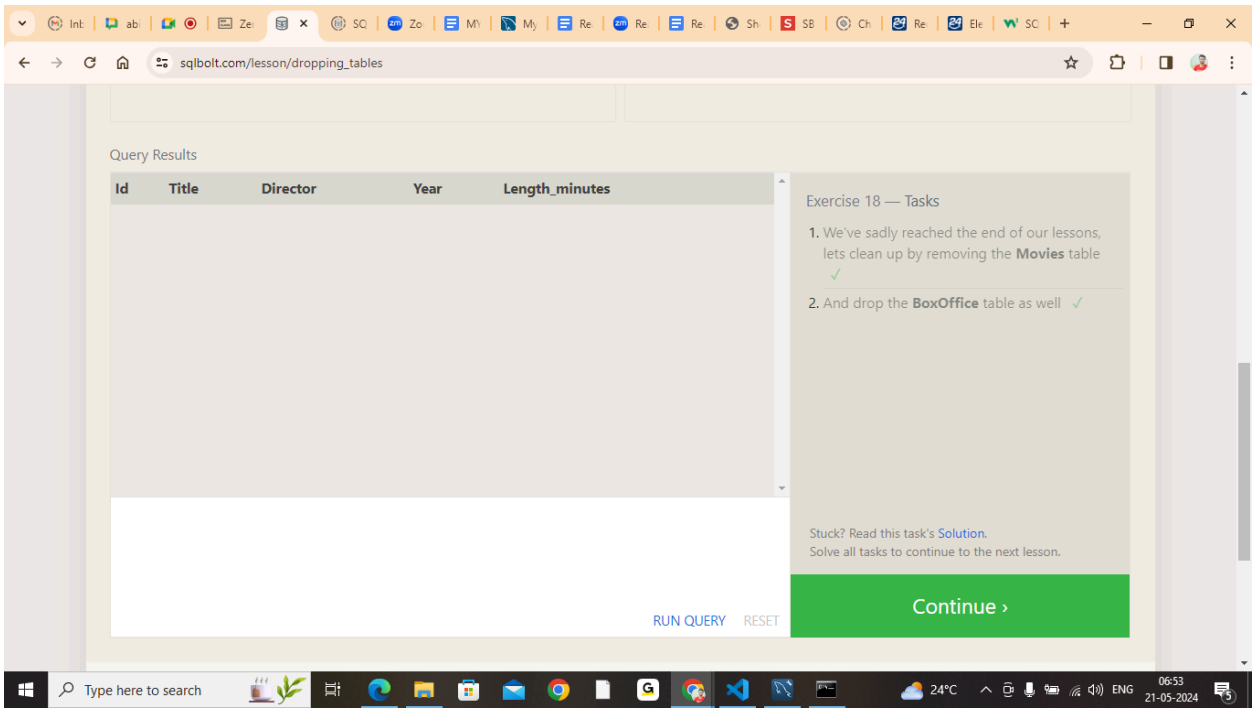

sqlbolt.com/lesson/altering_tables
Table: Movies
3 Toy Story 2 John Lasseter 1999 93 English
4 Monsters, Inc. Pete Docter 2001 92 English
5 Finding Nemo Andrew Stanton 2003 107 English
6 The Incredibles Brad Bird 2004 116 English
7 Cars John Lasseter 2006 117 English
8 Ratatouille Brad Bird 2007 115 English
9 WALL-E Andrew Stanton 2008 104 English
10 Up Pete Docter 2009 101 English
11 Toy Story 3 Lee Unkrich 2010 103 English
12 Cars 2 John Lasseter 2011 120 English
13 Brave Brenda Chapman 2012 102 English
Exercise 17 — Tasks
1. Add a column named Aspect_ratio with a FLOAT data type to store the aspect-ratio each movie was released in.
2. Add another column named Language with a TEXT data type to store the language that the movie was released in. Ensure that the default for this language is English.
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY
RESET
Continue ›
Next – SQL Lesson 18: Dropping tables
Type here to search
24°C
ENG
06:49
21-05-2024


sqlbolt.com/lesson/dropping_tables
Query Results
Id Title Director Year Length_minutes
Exercise 18 — Tasks
1. We've sadly reached the end of our lessons, lets clean up by removing the Movies table
2. And drop the BoxOffice table as well
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY
RESET
Continue ›
Type here to search
24°C
ENG
06:53
21-05-2024