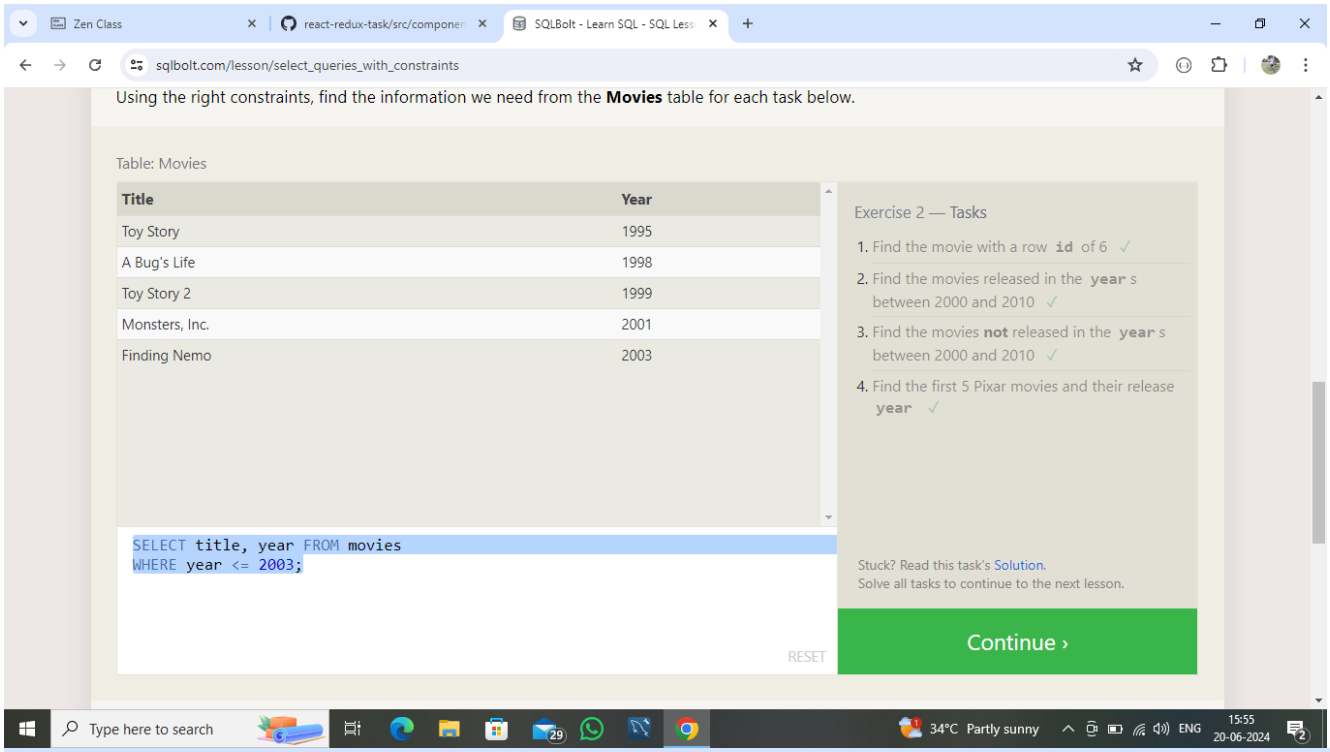
Zen Class
react-redux-task/src/componen
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_constraints
Using the right constraints, find the information we need from the **Movies** table for each task below.
Table: Movies
Title
Year
Toy Story
1995
A Bug's Life
1998
Toy Story 2
1999
Monsters, Inc.
2001
Finding Nemo
2003
Exercise 2 — Tasks
1. Find the movie with a row id of 6
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 title, year FROM movies
WHERE year <= 2003;
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
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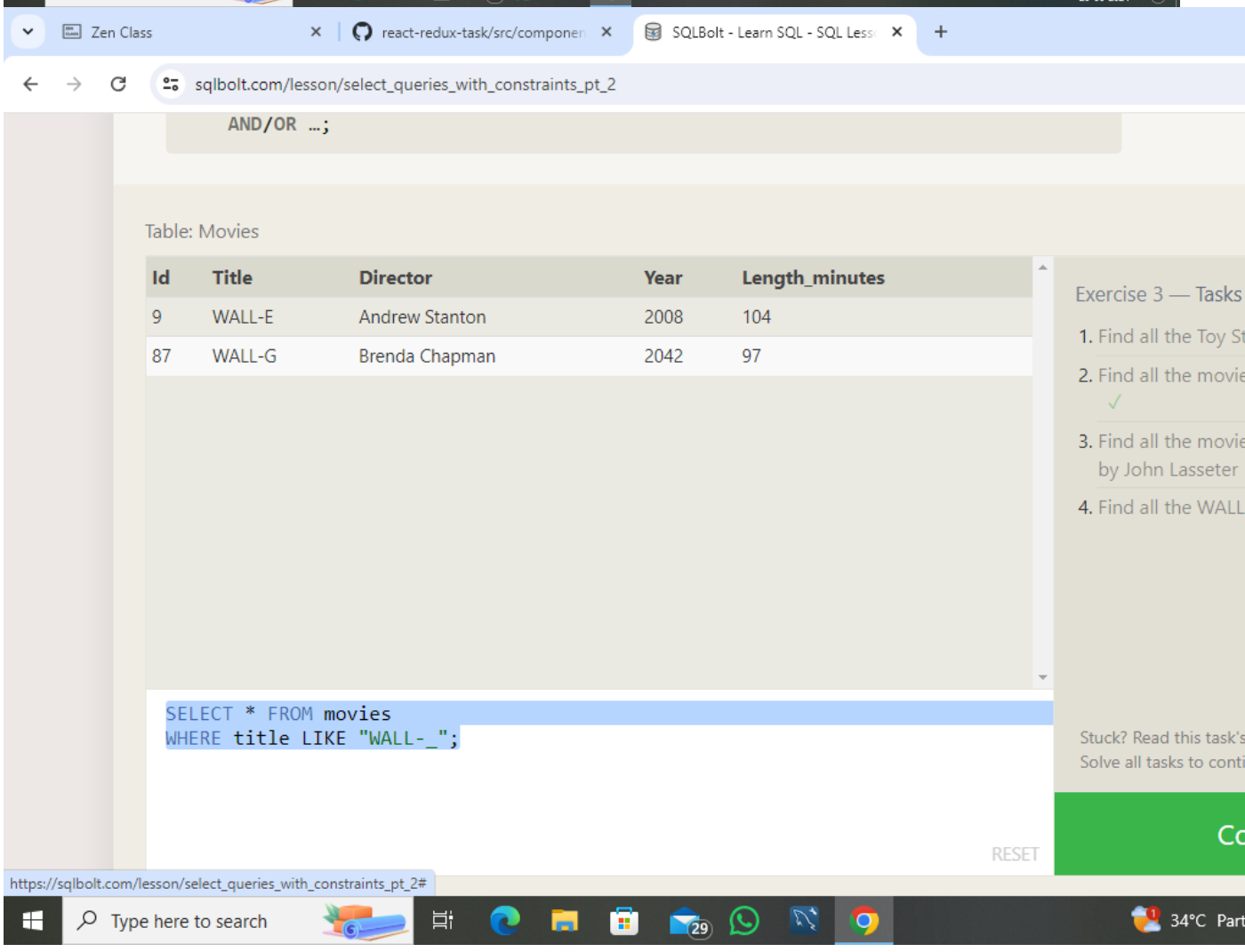
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SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_constraints_pt_2
AND/OR …;
Table: Movies
Id
Title
Director
Year
Length_minutes
9
WALL-E
Andrew Stanton
2008
104
87
WALL-G
Brenda Chapman
2042
97
Exercise 3 — Tasks
1. Find all the Toy St
2. Find all the movie
3. Find all the movie by John Lasseter
4. Find all the WALL
SELECT * FROM movies
WHERE title LIKE "WALL-_";
RESET
Stuck? Read this task's
Solve all tasks to conti
https://sqlbolt.com/lesson/select_queries_with_constraints_pt_2#
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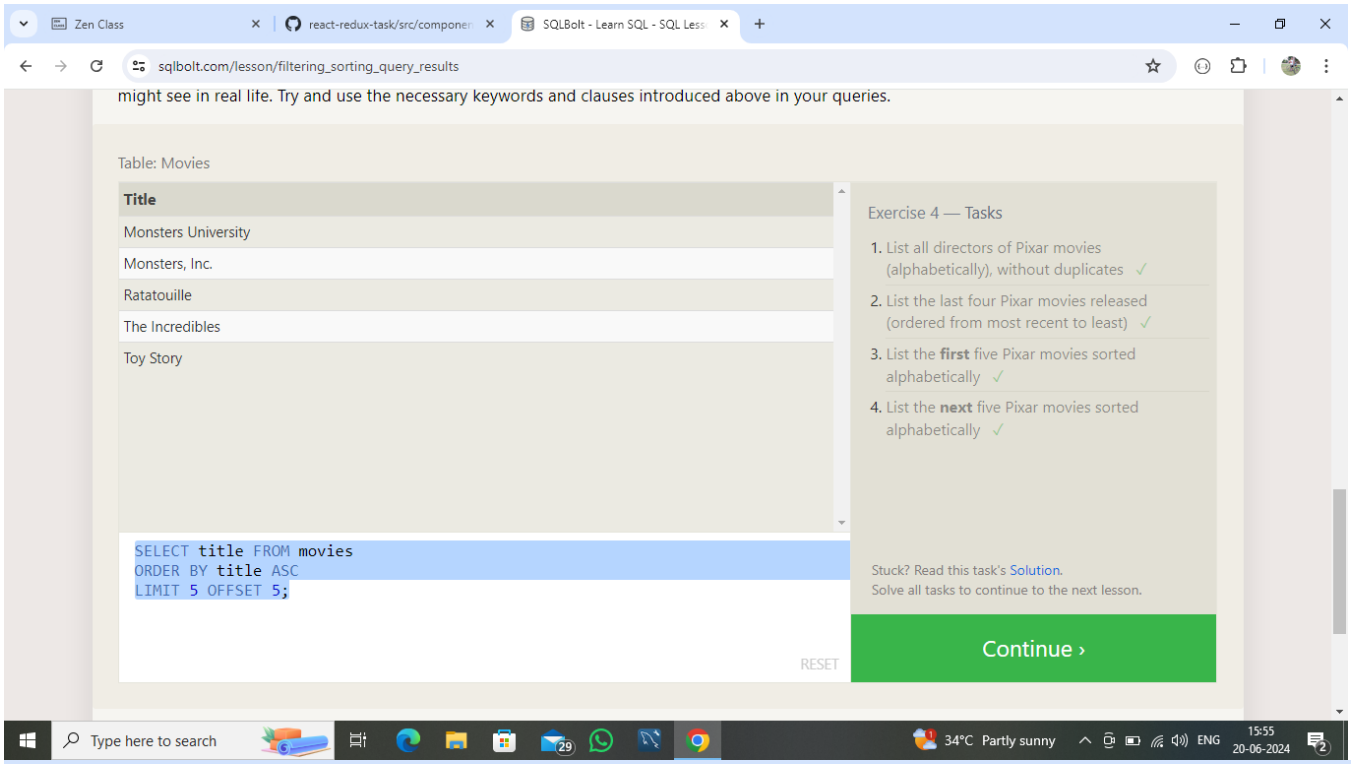
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sqlbolt.com/lesson/filtering_sorting_query_results
might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.
Table: Movies
Title
Monsters University
Monsters, Inc.
Ratatouille
The Incredibles
Toy Story
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 ›
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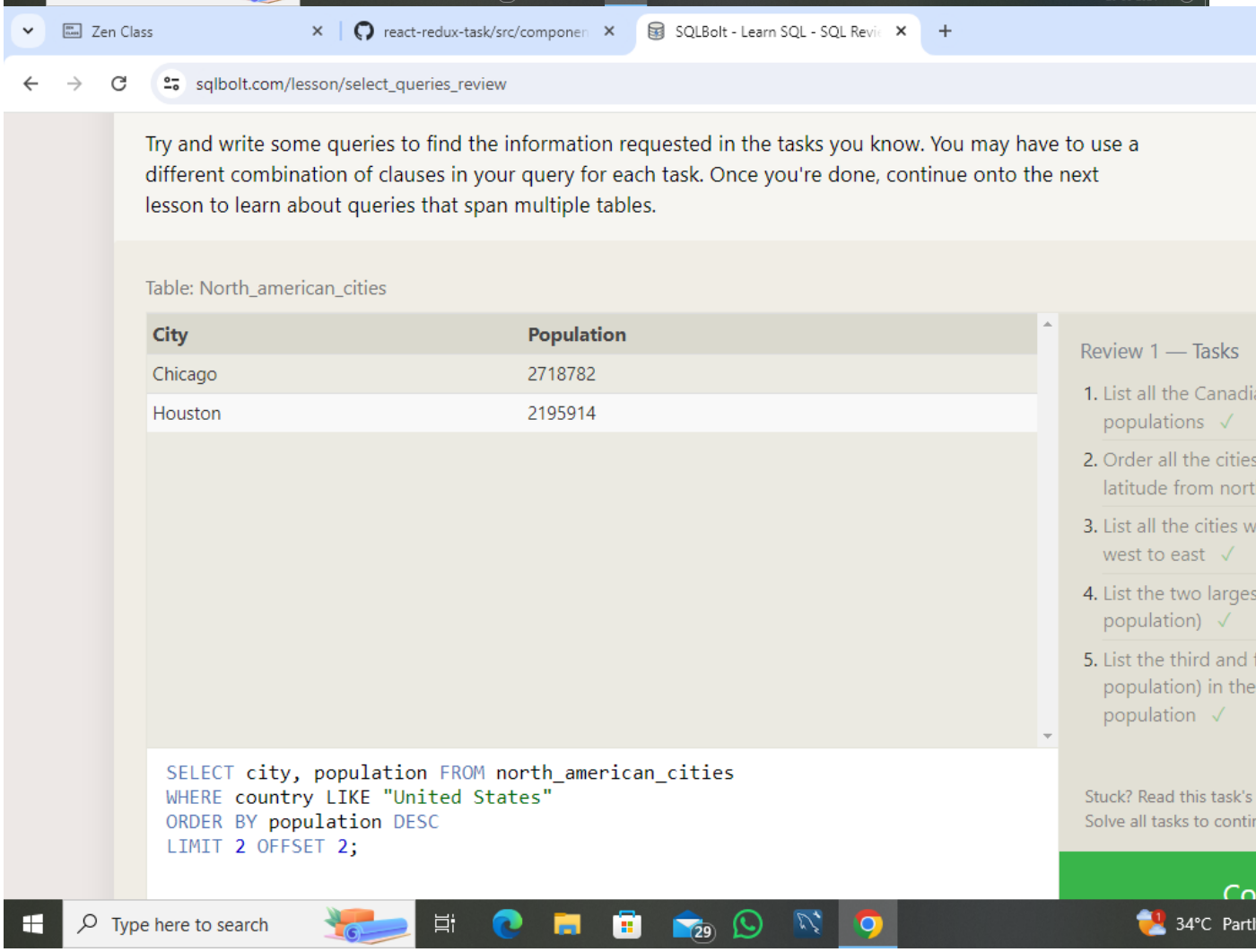
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SQLBolt - Learn SQL - SQL Revi
sqlbolt.com/lesson/select_queries_review
Try and write some queries to find the information requested in the tasks you know. You may have to use a different combination of clauses in your query for each task. Once you're done, continue onto the next lesson to learn about queries that span multiple tables.
Table: North_american_cities
City
Population
Chicago
2718782
Houston
2195914
Review 1 — Tasks
1. List all the Canadi populations
2. Order all the cities latitude from nort
3. List all the cities w west to east
4. List the two larges population)
5. List the third and population) in the population
SELECT city, population FROM north_american_cities
WHERE country LIKE "United States"
ORDER BY population DESC
LIMIT 2 OFFSET 2;
Stuck? Read this task's
Solve all tasks to contir
Type here to search
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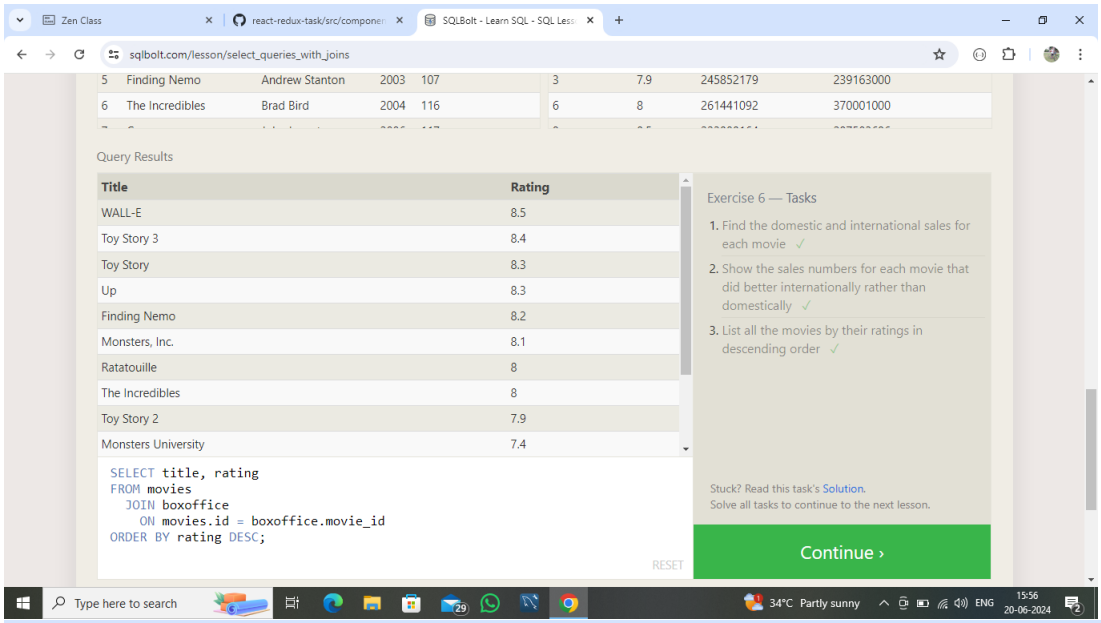
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SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_joins
5 Finding Nemo Andrew Stanton 2003 107 3 7.9 245852179 239163000
6 The Incredibles Brad Bird 2004 116 6 8 261441092 370001000
Query Results
Title Rating
WALL-E 8.5
Toy Story 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.
Continue ›
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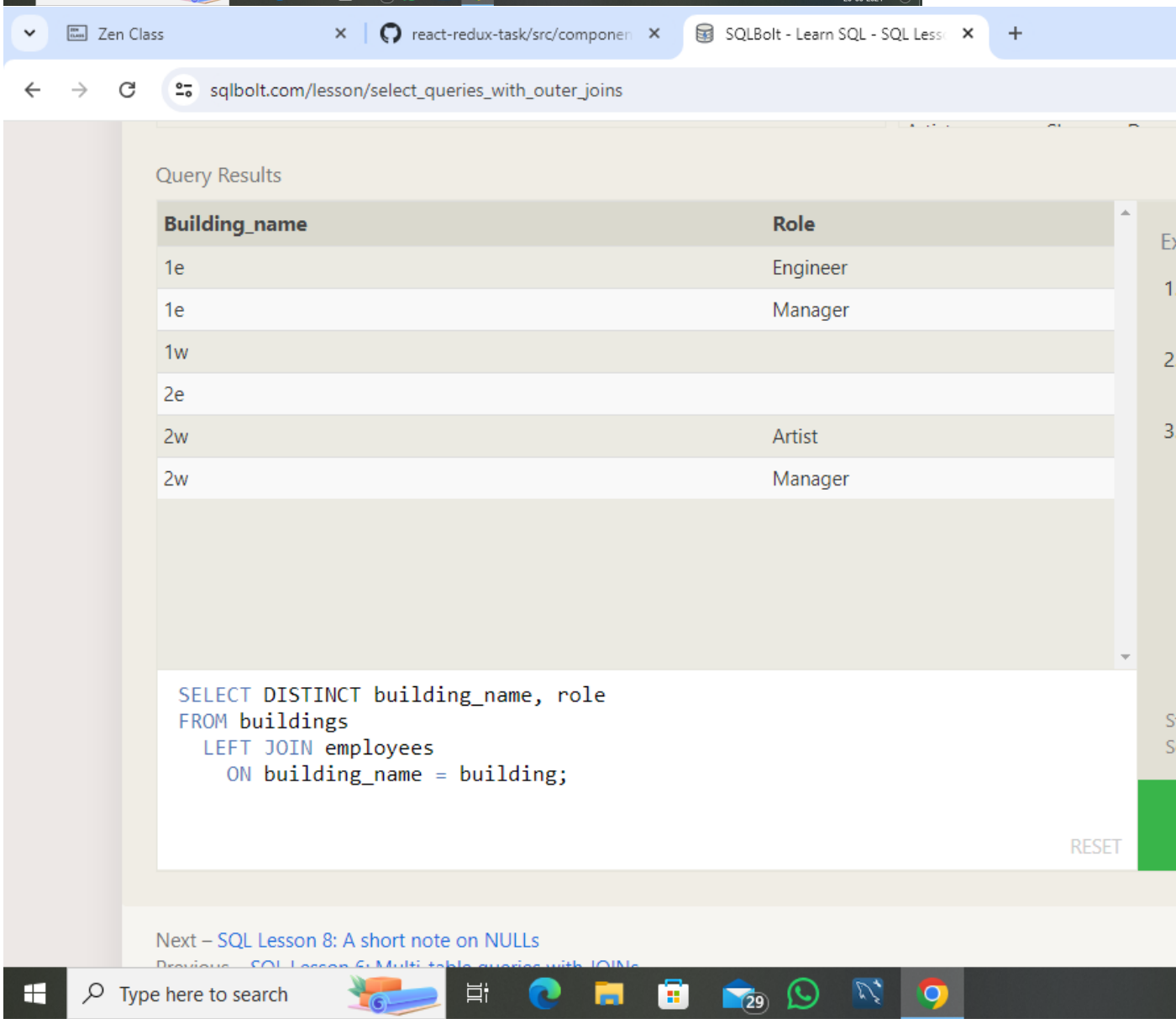
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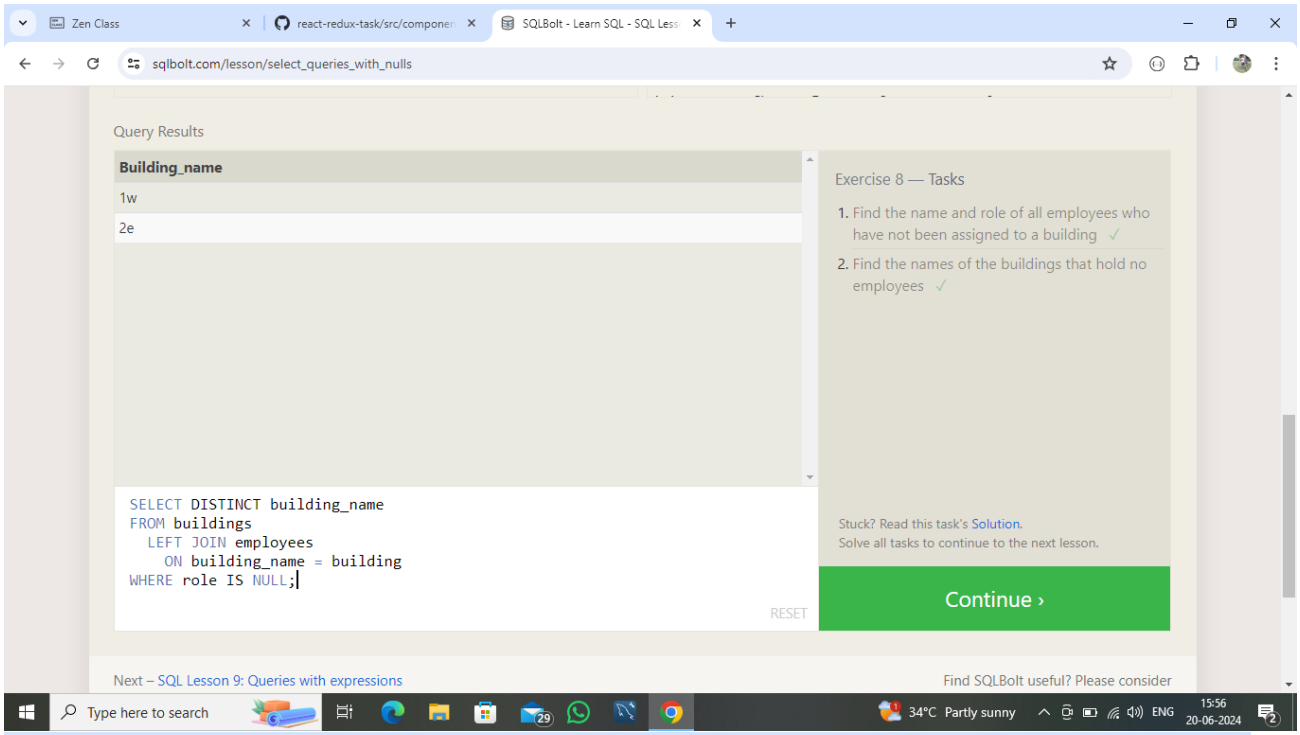
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_outer_joins
Query Results
Building_name Role
1e Engineer
1e Manager
1w
2e
2w Artist
2w Manager
SELECT DISTINCT building_name, role
FROM buildings
LEFT JOIN employees
ON building_name = building;
RESET
Next – SQL Lesson 8: A short note on NULLs
Type here to search


Zen Class
react-redux-task/src/componer
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_nulls
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 ›
Next – SQL Lesson 9: Queries with expressions
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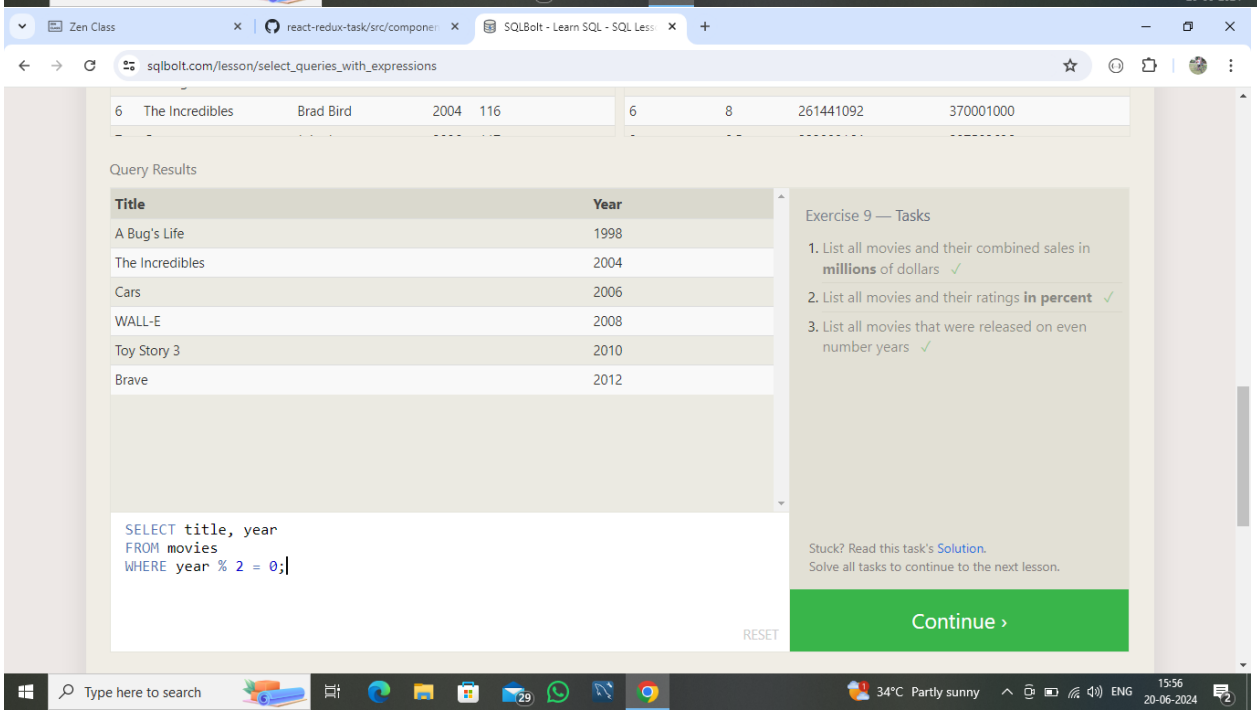
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sqlbolt.com/lesson/select_queries_with_expressions
6 The Incredibles Brad Bird 2004 116
6 8 261441092 370001000
Query Results
Title
Year
A Bug's Life 1998
The Incredibles 2004
Cars 2006
WALL-E 2008
Toy Story 3 2010
Brave 2012
Exercise 9 — Tasks
1. 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 ✓
SELECT title, year
FROM movies
WHERE year % 2 = 0;
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
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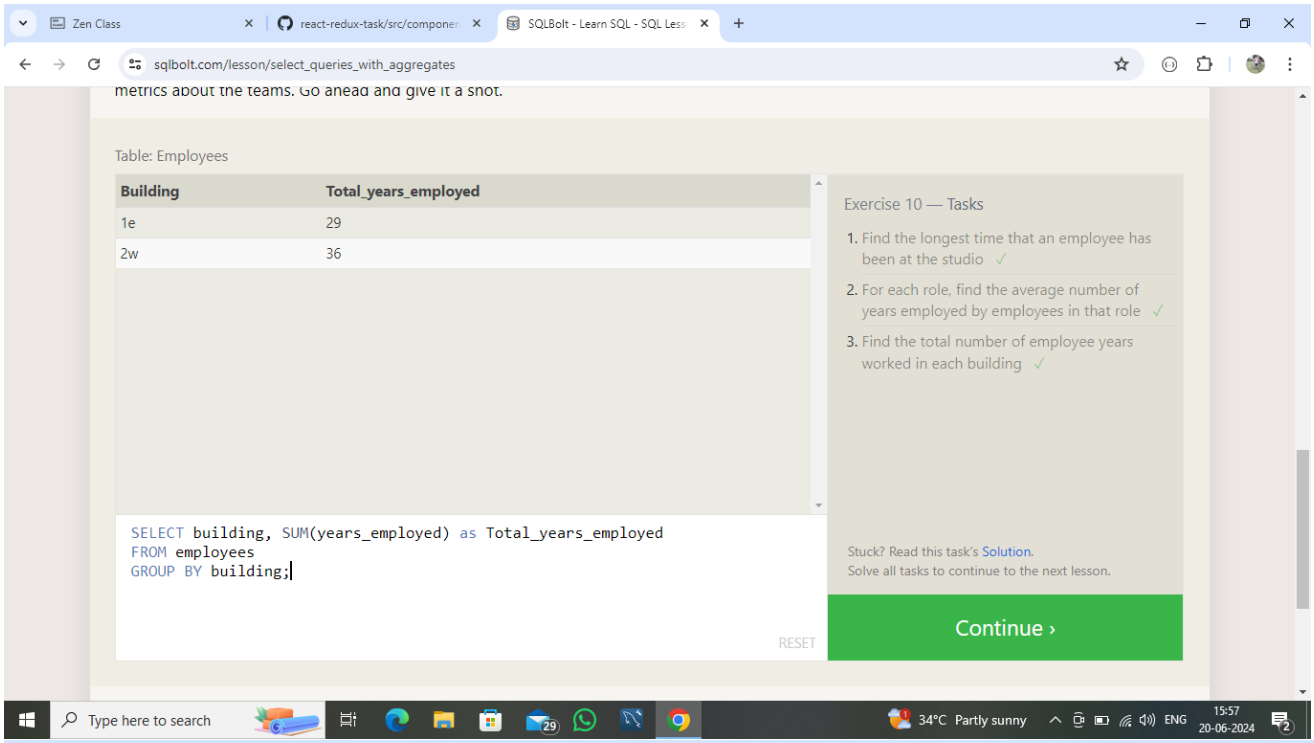
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react-redux-task/src/componen
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sqlbolt.com/lesson/select_queries_with_aggregates
metrics about the teams. Go ahead and give it a shot.
Table: Employees
Building
Total_years_employed
1e
29
2w
36
Exercise 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
SELECT building, SUM(years_employed) as Total_years_employed
FROM employees
GROUP BY building;
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
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ENG
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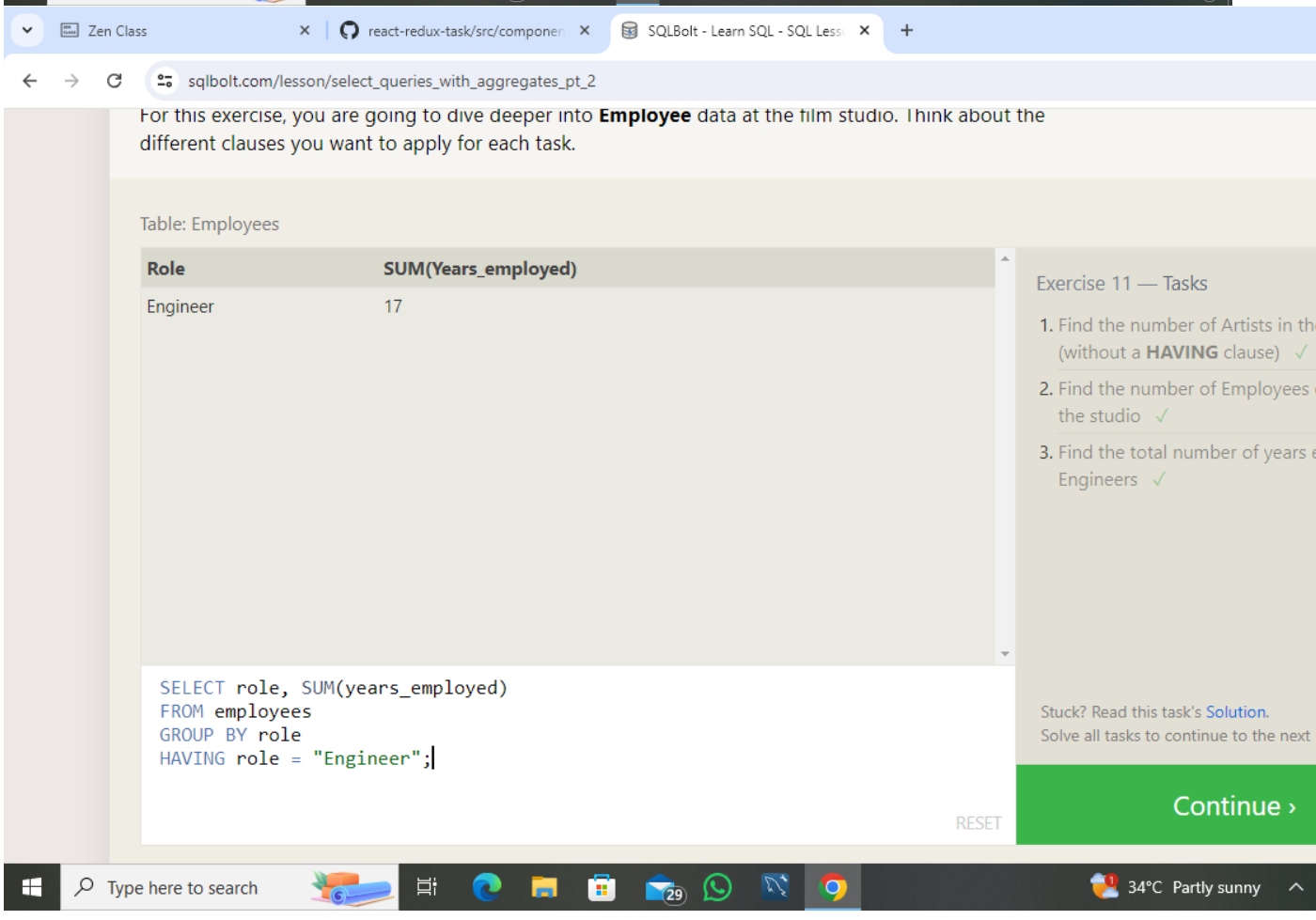
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SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_aggregates_pt_2
For this exercise, you are going to dive deeper into Employee data at the film studio. Think about the different clauses you want to apply for each task.
Table: Employees
Role
SUM(Years_employed)
Engineer
17
Exercise 11 — Tasks
1. Find the number of Artists in th (without a HAVING clause)
2. Find the number of Employees the studio
3. Find the total number of years 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
RESET
Continue ›
Type here to search
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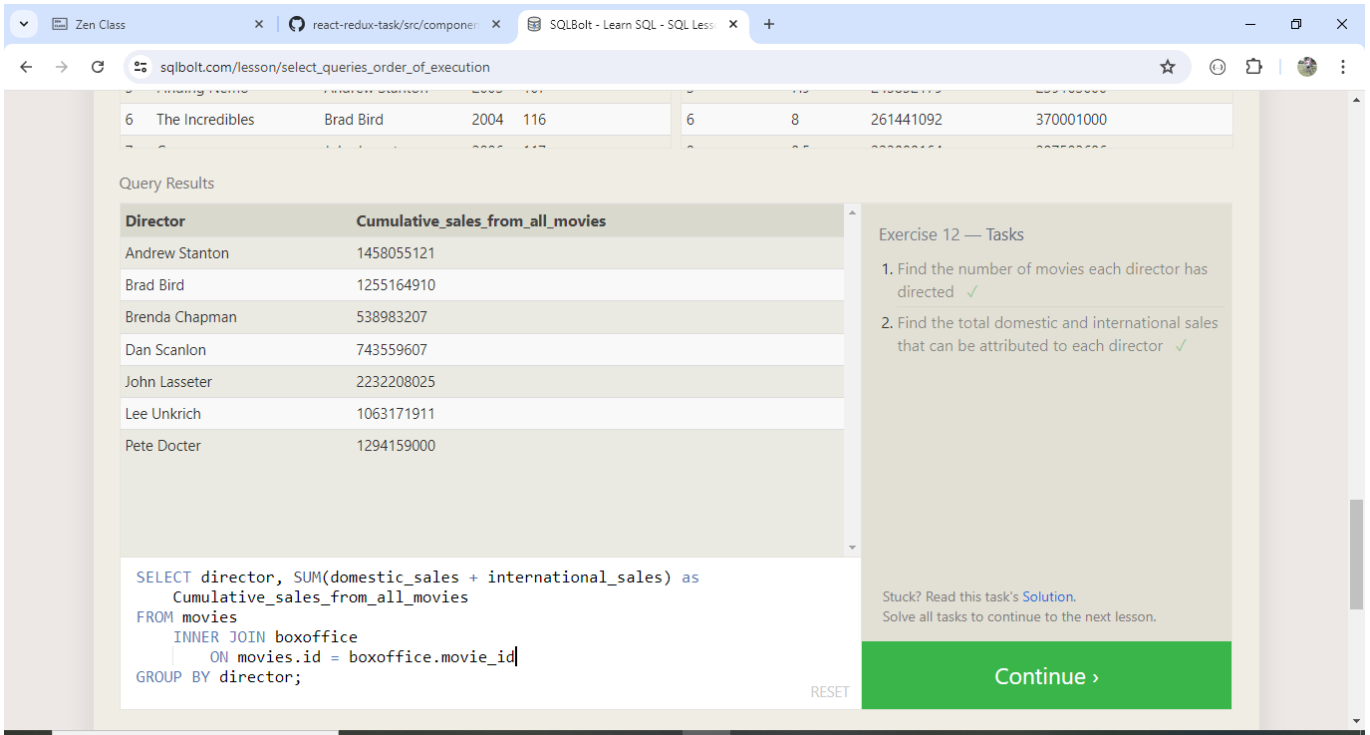
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sqlbolt.com/lesson/select_queries_order_of_execution
6 The Incredibles Brad Bird 2004 116 6 8 261441092 370001000
Query Results
Director Cumulative_sales_from_all_movies
Andrew Stanton 1458055121
Brad Bird 1255164910
Brenda Chapman 538983207
Dan Scanlon 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(domestic_sales + international_sales) as
Cumulative_sales_from_all_movies
FROM movies
INNER JOIN boxoffice
ON movies.id = boxoffice.movie_id
GROUP BY director;
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Type here to search
Result
ENG
15:57
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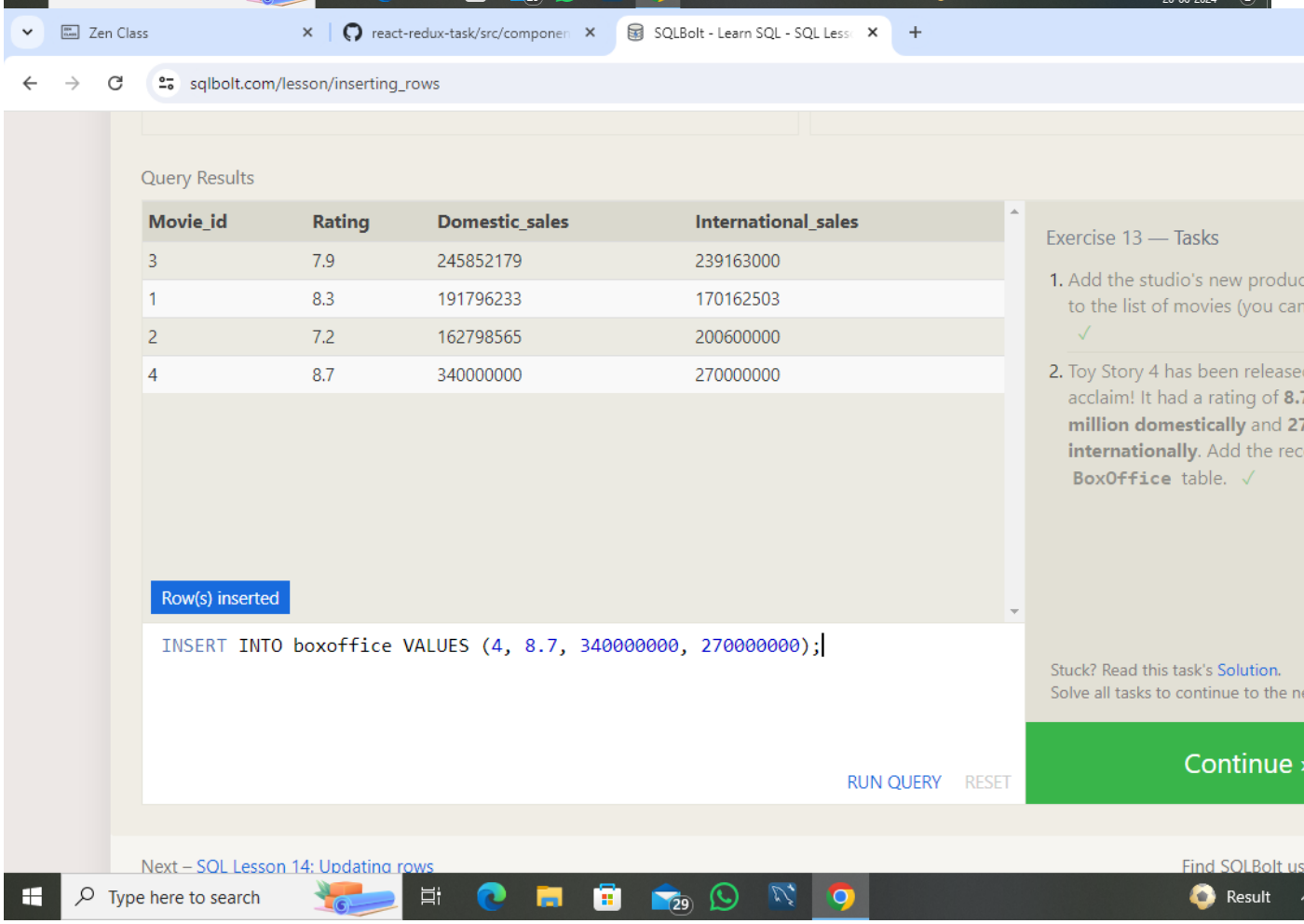
Zen Class
react-redux-task/src/componen
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/inserting_rows
Query Results
Movie_id Rating Domestic_sales International_sales
3 7.9 245852179 239163000
1 8.3 191796233 170162503
2 7.2 162798565 200600000
4 8.7 340000000 270000000
Exercise 13 — Tasks
1. Add the studio's new produc
to the list of movies (you ca
✓
2. Toy Story 4 has been release
acclaim! It had a rating of 8.
million domestically and 27
internationally. Add the rec
BoxOffice table. ✓
Row(s) inserted
INSERT INTO boxoffice VALUES (4, 8.7, 340000000, 270000000);
RUN QUERY
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the n
Continue
Next – SQL Lesson 14: Updating rows
Find SQLBolt us
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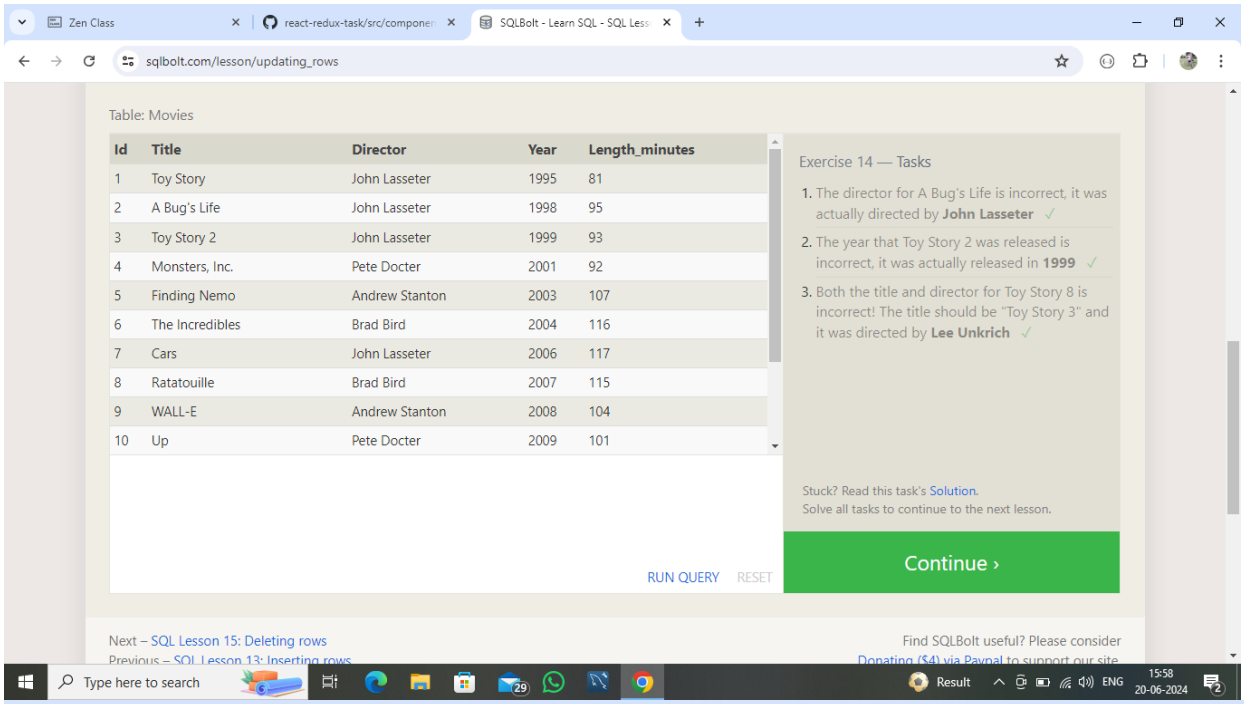
Result


Zen Class
react-redux-task/src/componen
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/updating_rows
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
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 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
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Type here to search
Result
ENG
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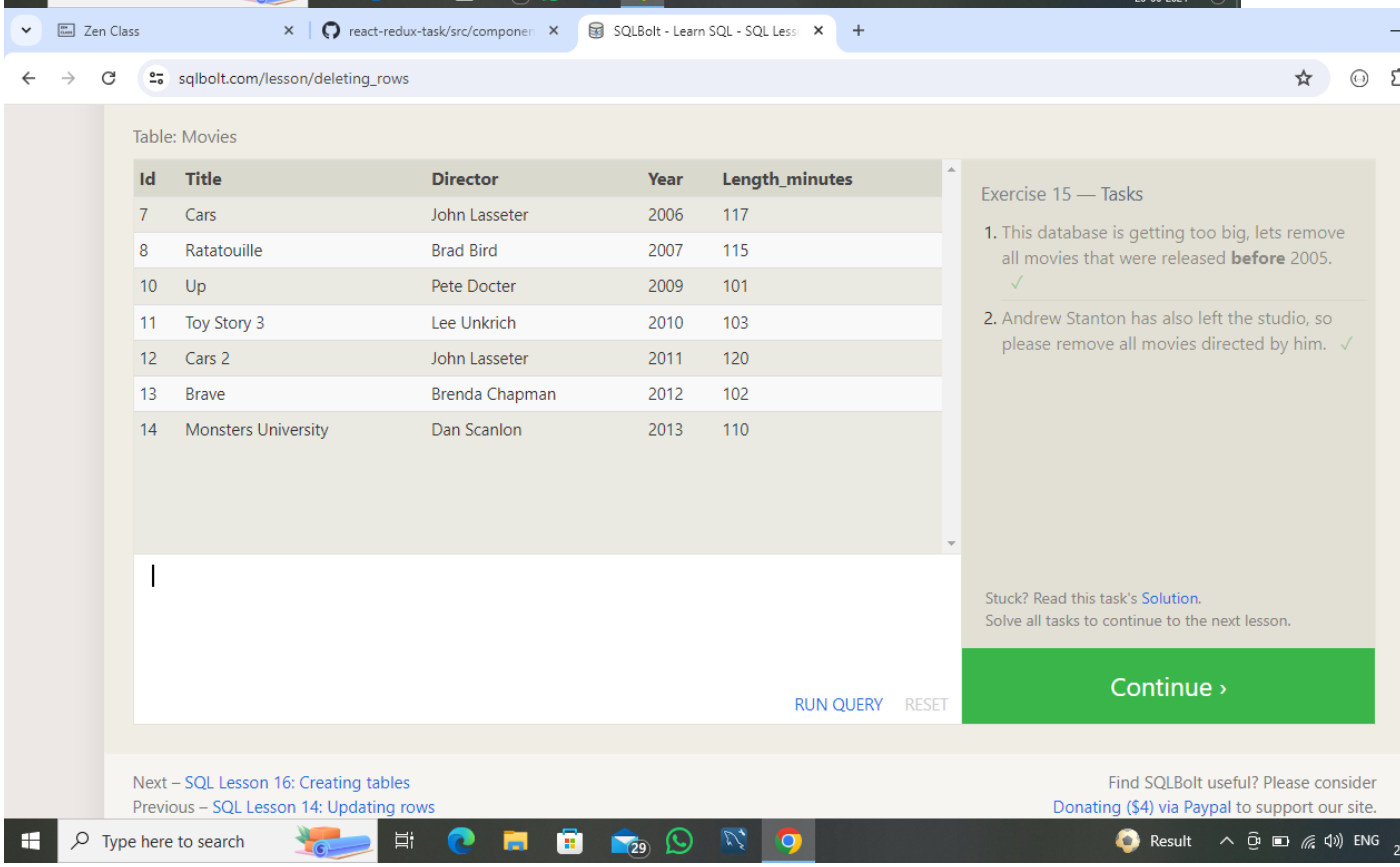
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sqlbolt.com/lesson/deleting_rows
Table: Movies
Id Title Director Year Length_minutes
7 Cars John Lasseter 2006 117
8 Ratatouille Brad Bird 2007 115
10 Up Pete Docter 2009 101
11 Toy Story 3 Lee Unkrich 2010 103
12 Cars 2 John Lasseter 2011 120
13 Brave 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 ›
Next – SQL Lesson 16: Creating tables
Previous – SQL Lesson 14: Updating rows
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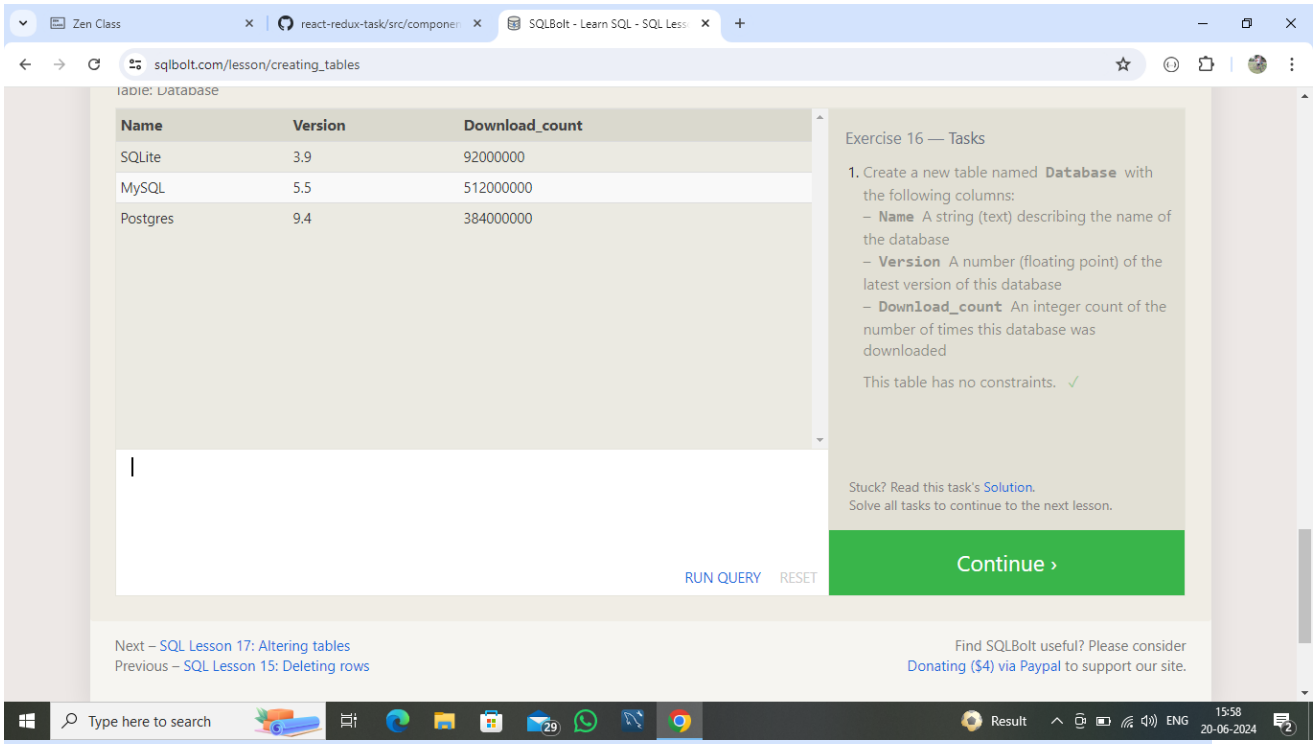
Zen Class
react-redux-task/src/componen
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/creating_tables
Table: Database
Name Version Download_count
SQLite 3.9 92000000
MySQL 5.5 512000000
Postgres 9.4 384000000
Exercise 16 — Tasks
1. Create a new table named Database with the following columns:
– Name 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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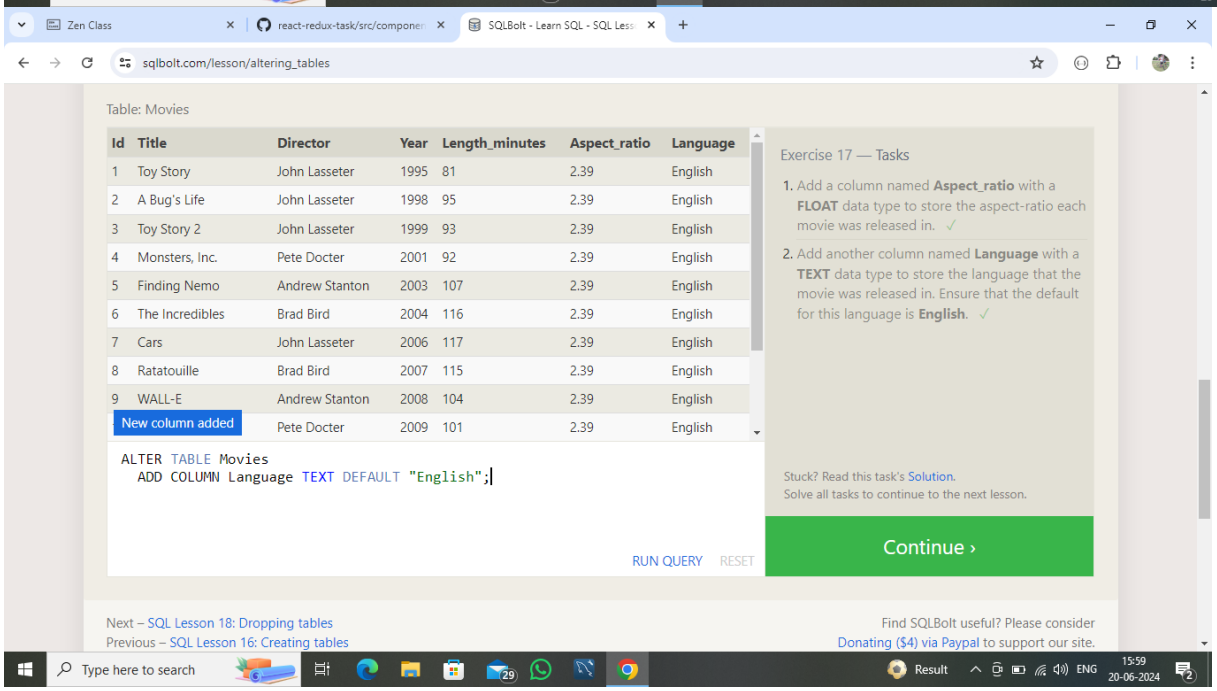
Zen Class
react-redux-task/src/componen
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/altering_tables
Table: Movies
Id Title Director Year Length_minutes Aspect_ratio Language
1 Toy Story John Lasseter 1995 81 2.39 English
2 A Bug's Life John Lasseter 1998 95 2.39 English
3 Toy Story 2 John Lasseter 1999 93 2.39 English
4 Monsters, Inc. Pete Docter 2001 92 2.39 English
5 Finding Nemo Andrew Stanton 2003 107 2.39 English
6 The Incredibles Brad Bird 2004 116 2.39 English
7 Cars John Lasseter 2006 117 2.39 English
8 Ratatouille Brad Bird 2007 115 2.39 English
9 WALL-E Andrew Stanton 2008 104 2.39 English
New column added
Pete Docter 2009 101 2.39 English
ALTER TABLE Movies
ADD COLUMN Language TEXT DEFAULT "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
Previous – SQL Lesson 16: Creating tables
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Result
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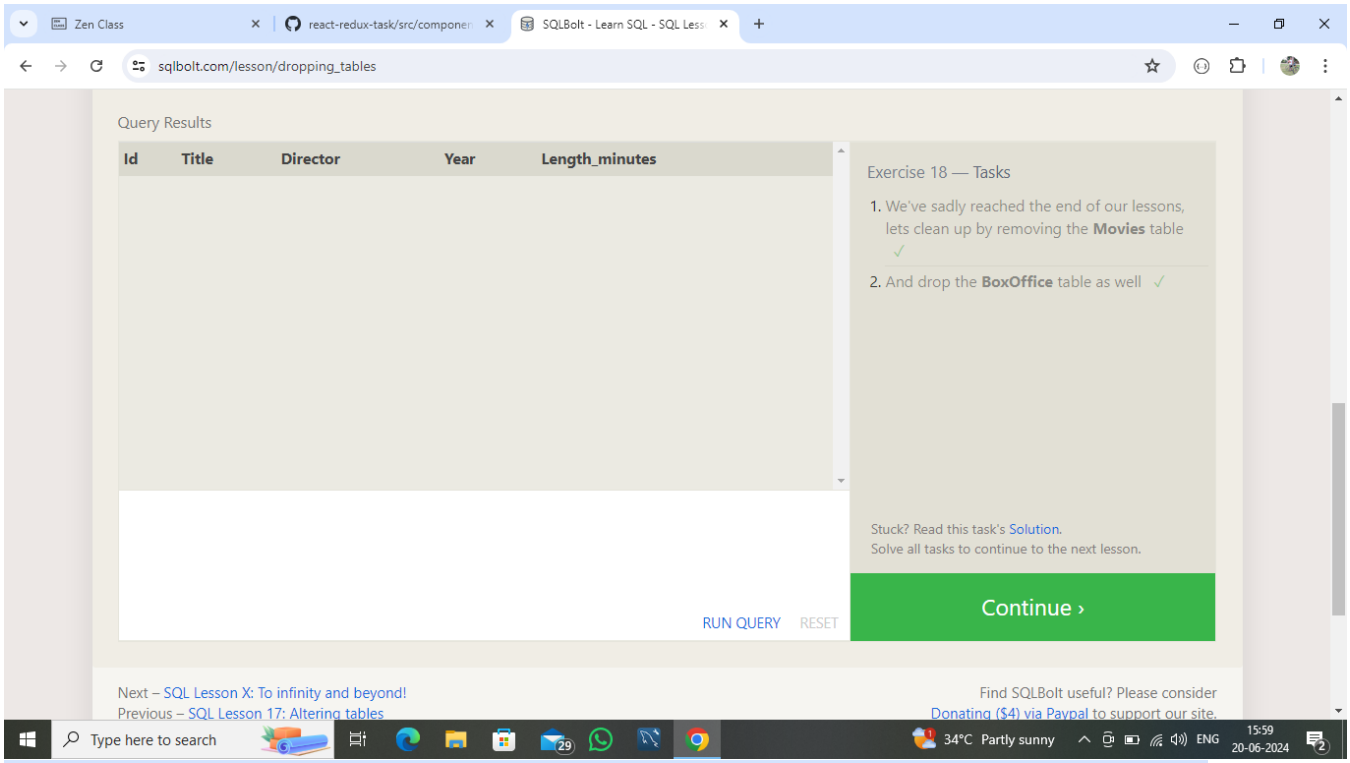
Zen Class
react-redux-task/src/componen
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/dropping_tables
Query Results
Id
Title
Director
Year
Length_minutes
Exercise 18 — Tasks
1. We've sadly reached the end of our lessons, lets clean up by removing the Movies table
2. And drop the BoxOffice table as well
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RUN QUERY
RESET
Continue ›
Next – SQL Lesson X: To infinity and beyond!
Previous – SQL Lesson 17: Altering tables
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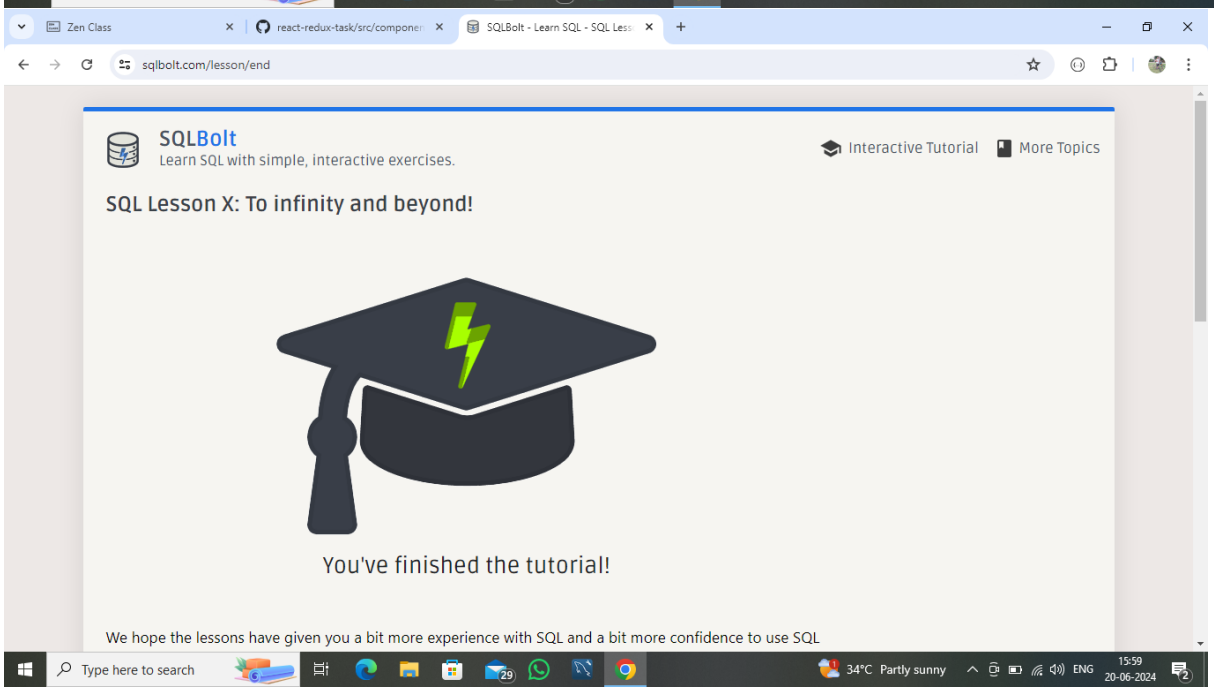
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SQLBolt
Learn SQL with simple, interactive exercises.
Interactive Tutorial
More Topics
SQL Lesson X: To infinity and beyond!
You've finished the tutorial!
We hope the lessons have given you a bit more experience with SQL and a bit more confidence to use SQL
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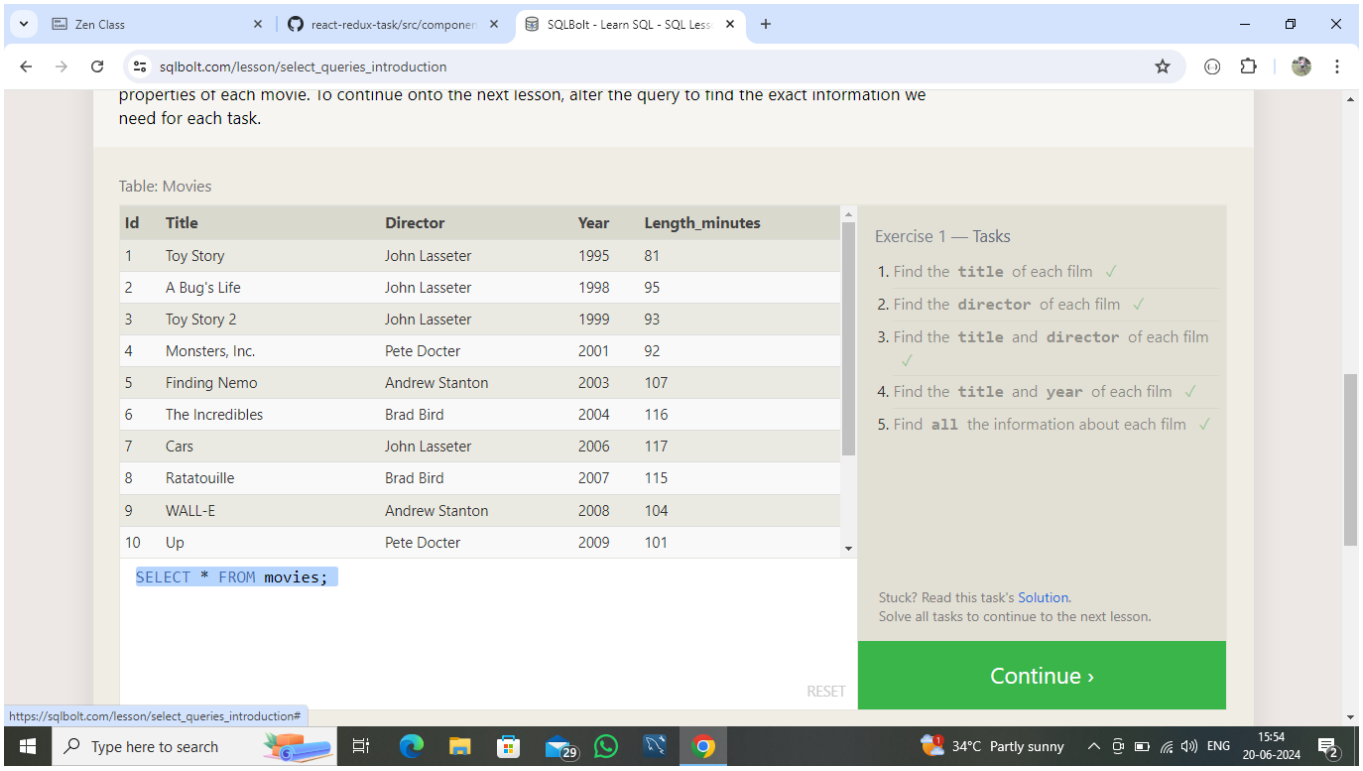
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sqlbolt.com/lesson/select_queries_introduction
properties of each movie. To continue onto the next lesson, alter the query to find the exact information we need for each task.
Table: Movies
Id Title Director Year Length_minutes
1 Toy Story John Lasseter 1995 81
2 A Bug's Life John Lasseter 1998 95
3 Toy Story 2 John Lasseter 1999 93
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
SELECT * FROM movies;
RESET
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 ›
https://sqlbolt.com/lesson/select_queries_introduction#
Type here to search
34°C Partly sunny
ENG
15:54
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