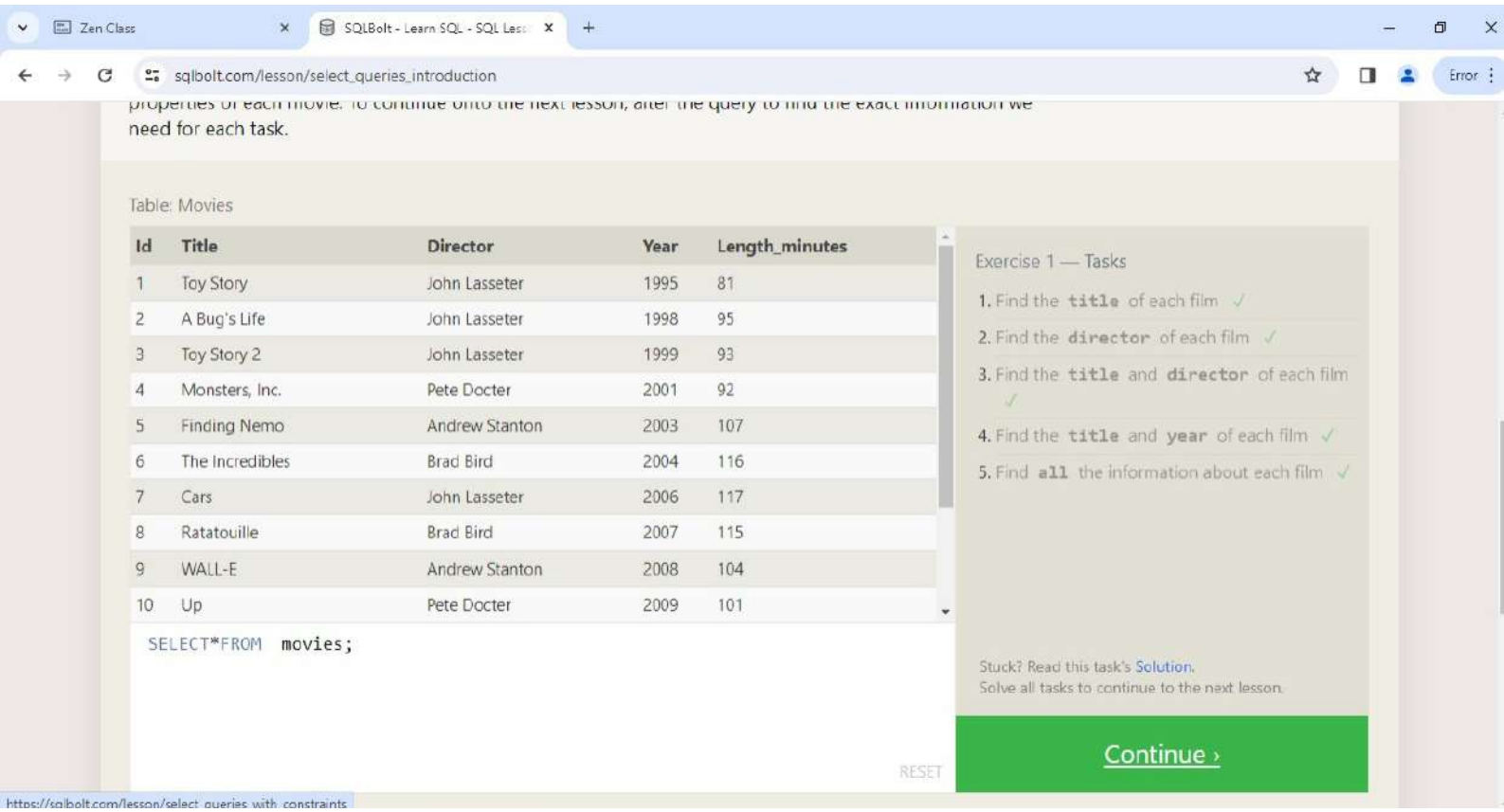
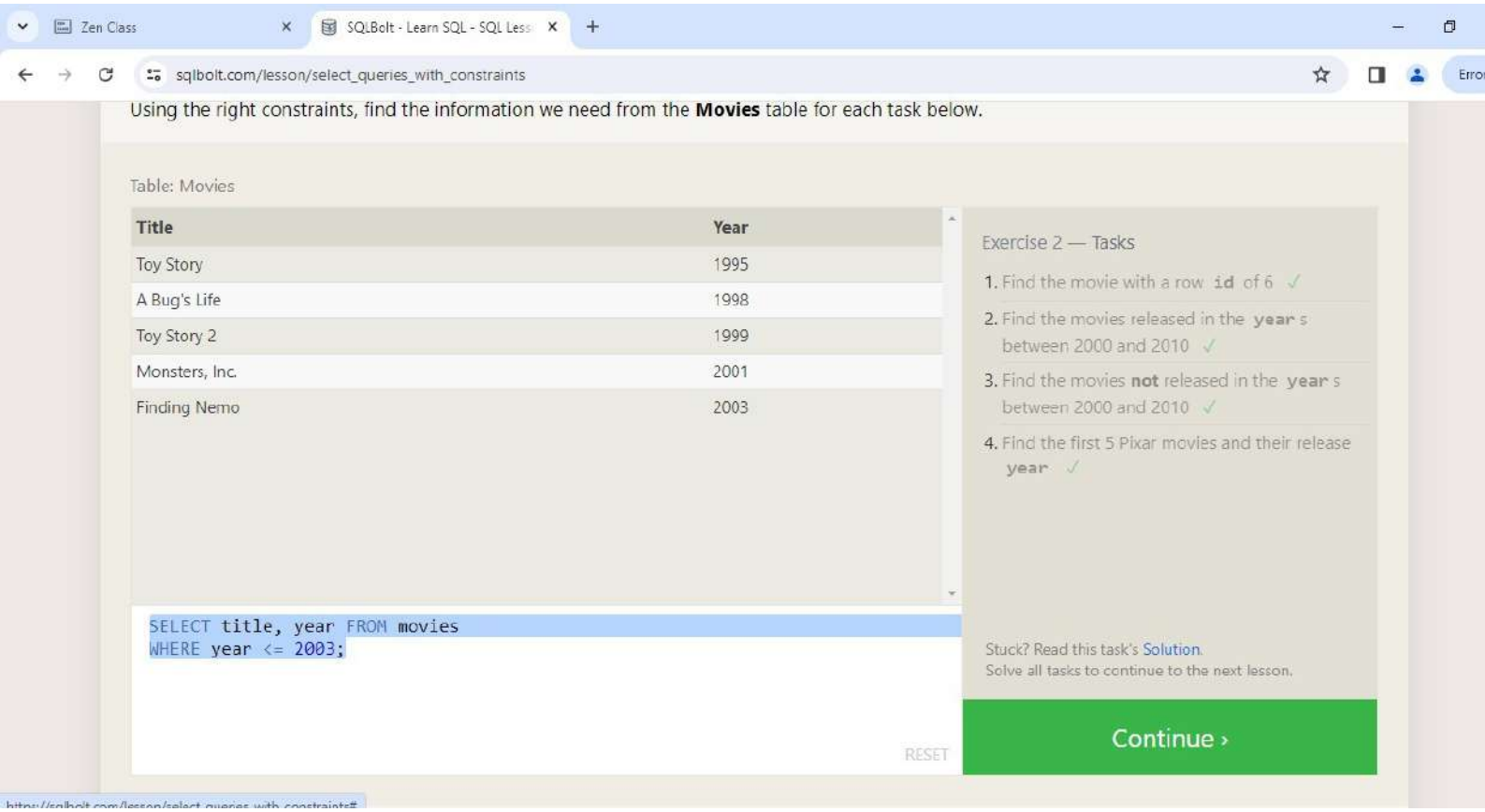

Zen Class
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_introduction
Error
properties of each movie. To continue onto the next lesson, alter the query to find the exact information we need for each task.
Table: Movies
Id Title Director Year Length_minutes
1 Toy Story John Lasseter 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_with_constraints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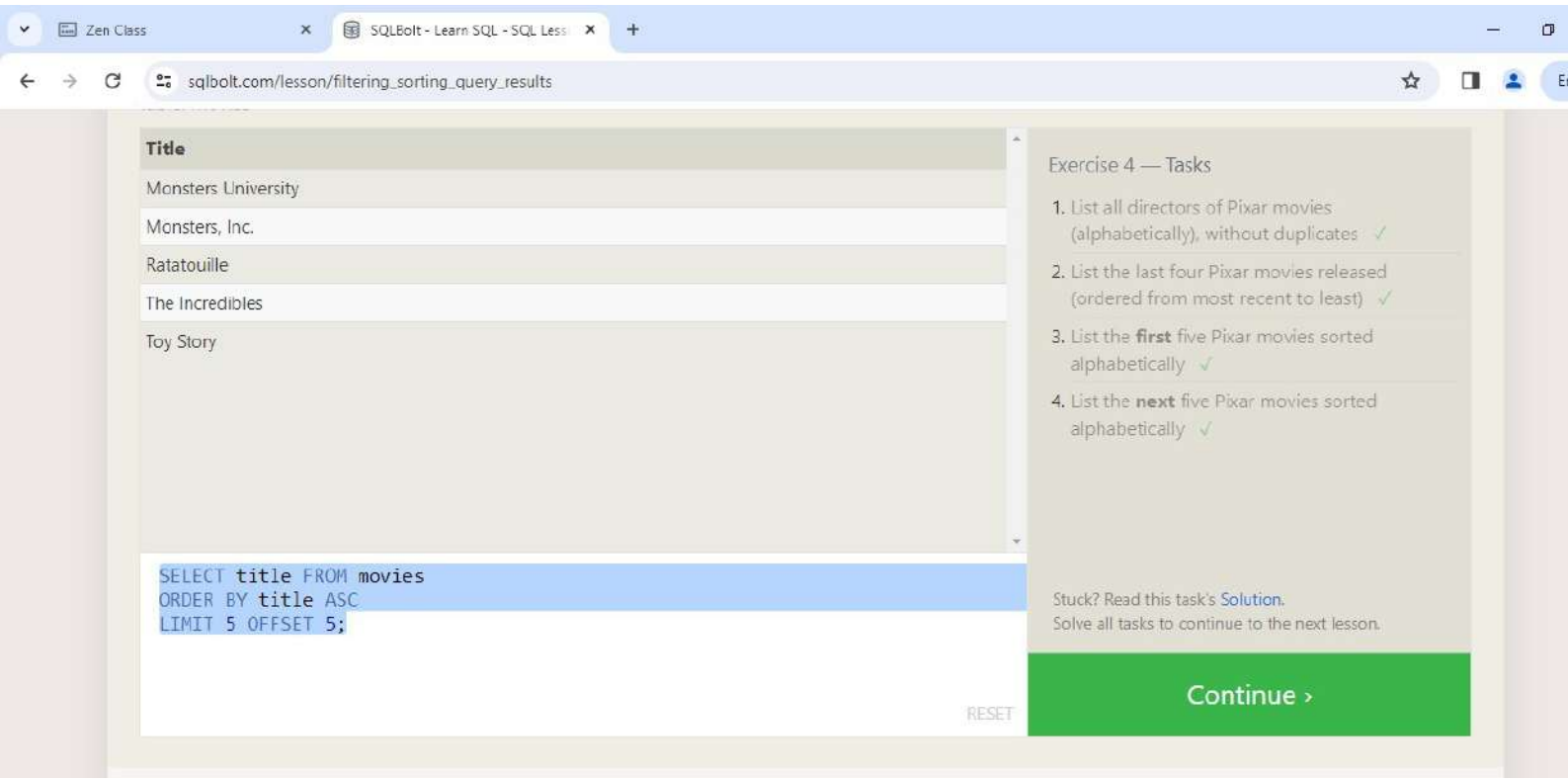
sqlbolt.com/lesson/select_queries_with_constraints
Using the right constraints, find the information we need from the **Movies** table for each task below.
Table: Movies
Title
Year
Toy Story
1995
A Bug's Life
1998
Toy Story 2
1999
Monsters, Inc.
2001
Finding Nemo
2003
SELECT title, year FROM movies
WHERE year <= 2003;
RESET
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
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›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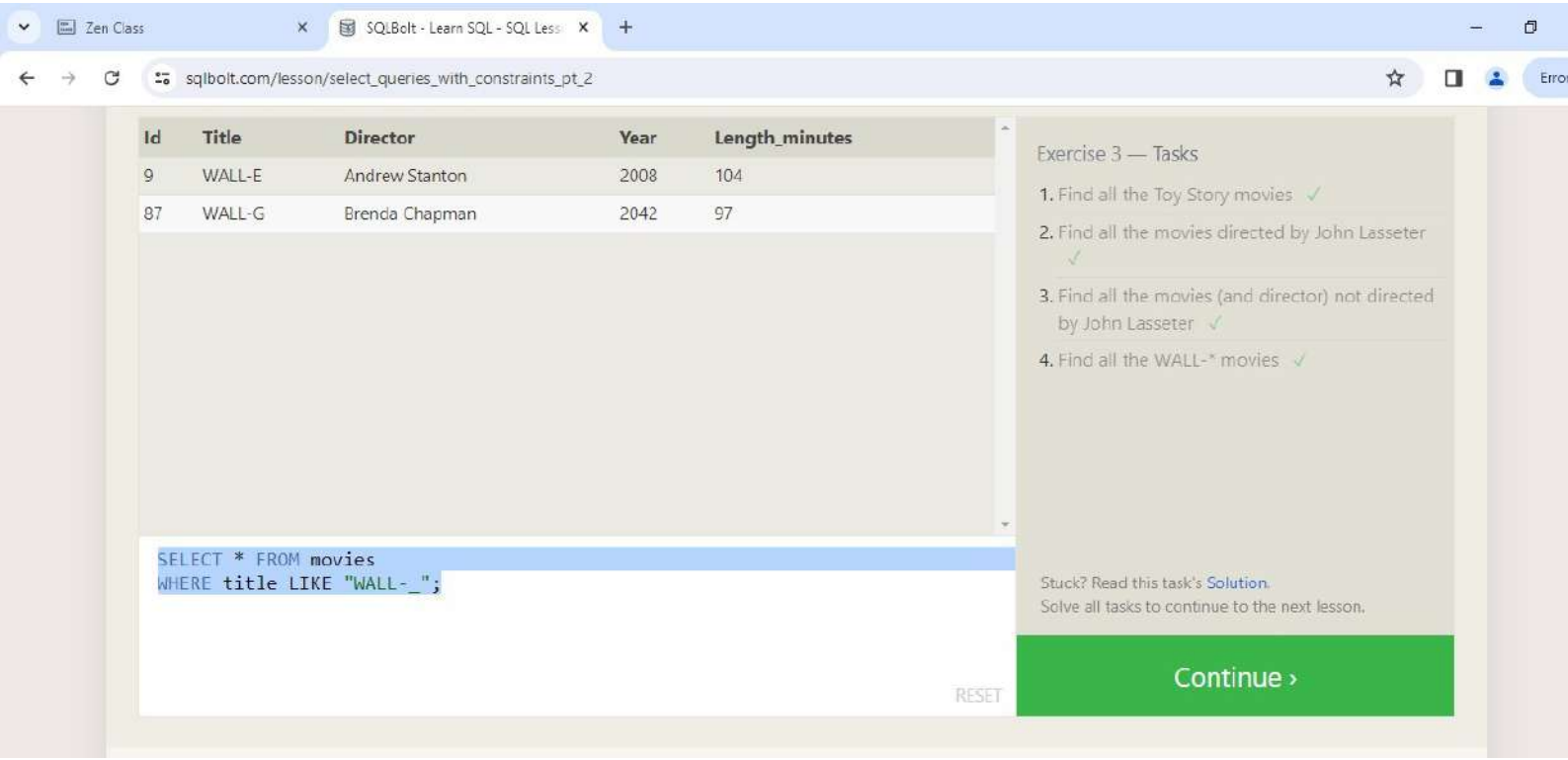
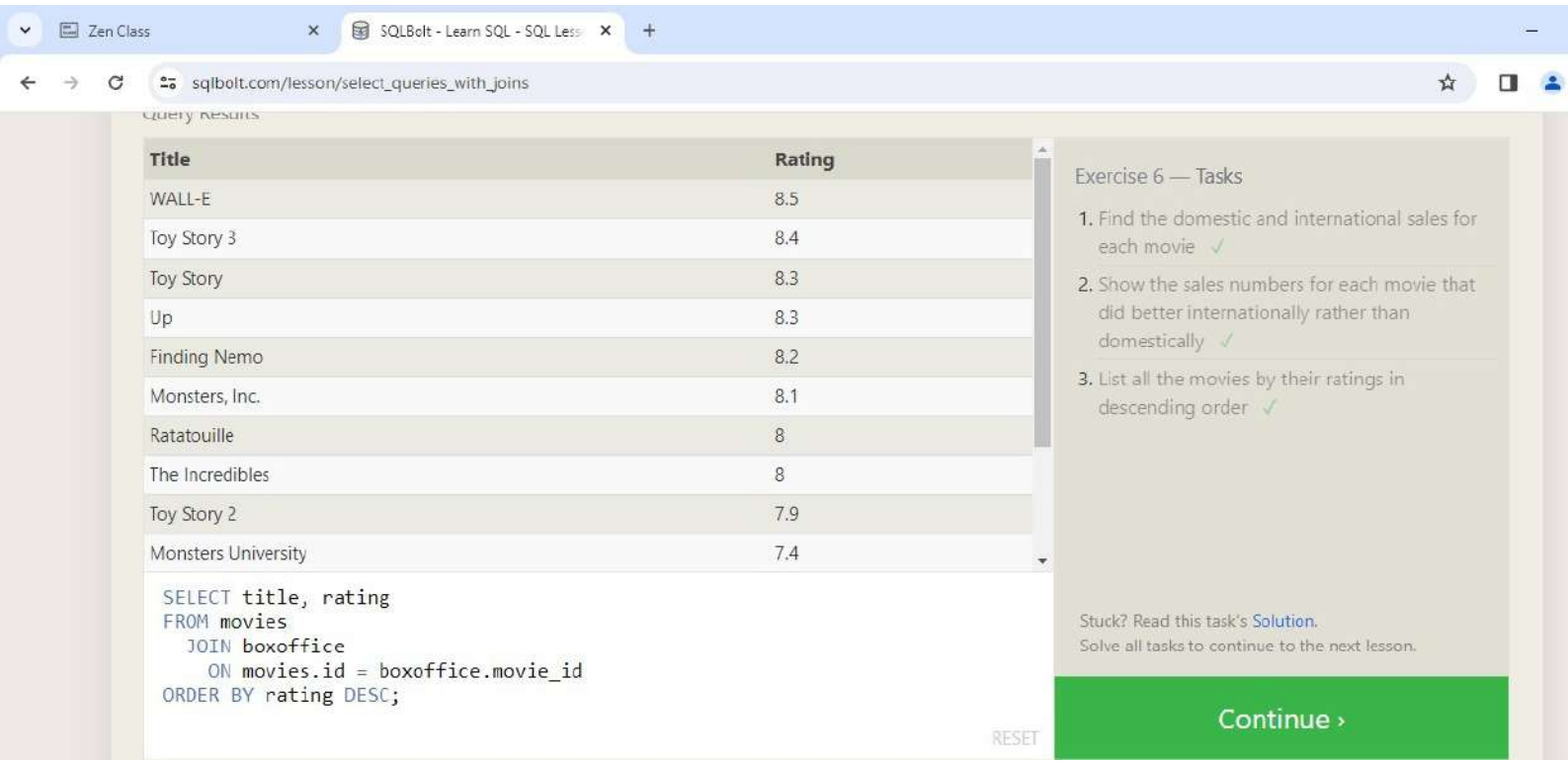
sqlbolt.com/lesson/filtering_sorting_query_results
Title
Monsters University
Monsters, Inc.
Ratatouille
The Incredibles
Toy Story
SELECT title FROM movies
ORDER BY title ASC
LIMIT 5 OFFSET 5;
RESET
Exercise 4 — Tasks
1. List all directors of Pixar movies (alphabetically), without duplicates ✓
2. List 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 ✓
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›


Zen Class
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_constraints_pt_2
Id Title Director Year Length_minutes
9 WALL-E Andrew Stanton 2008 104
87 WALL-G Brenda Chapman 2042 97
SELECT * FROM movies
WHERE title LIKE "WALL-_";
RESET
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.
Continue ›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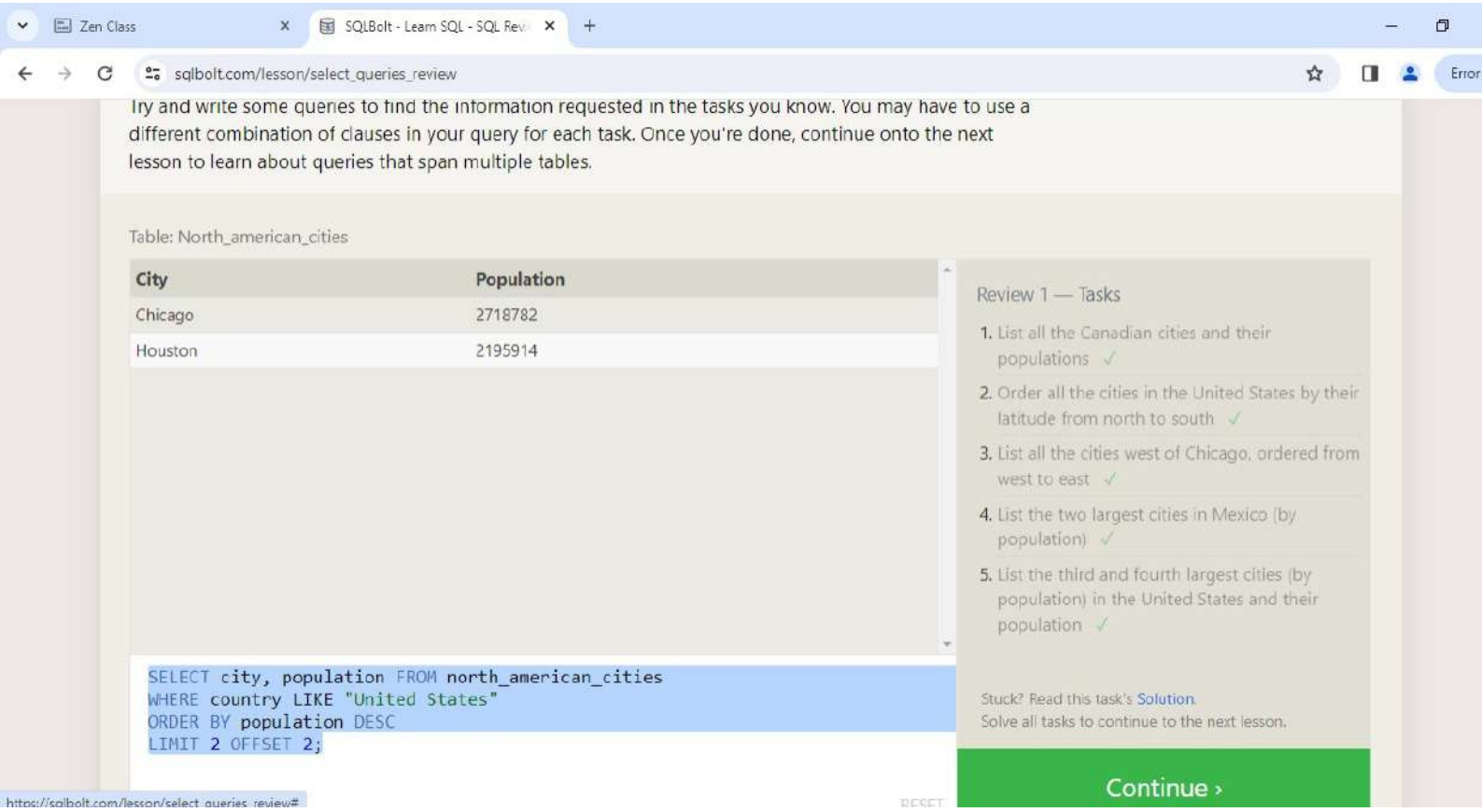
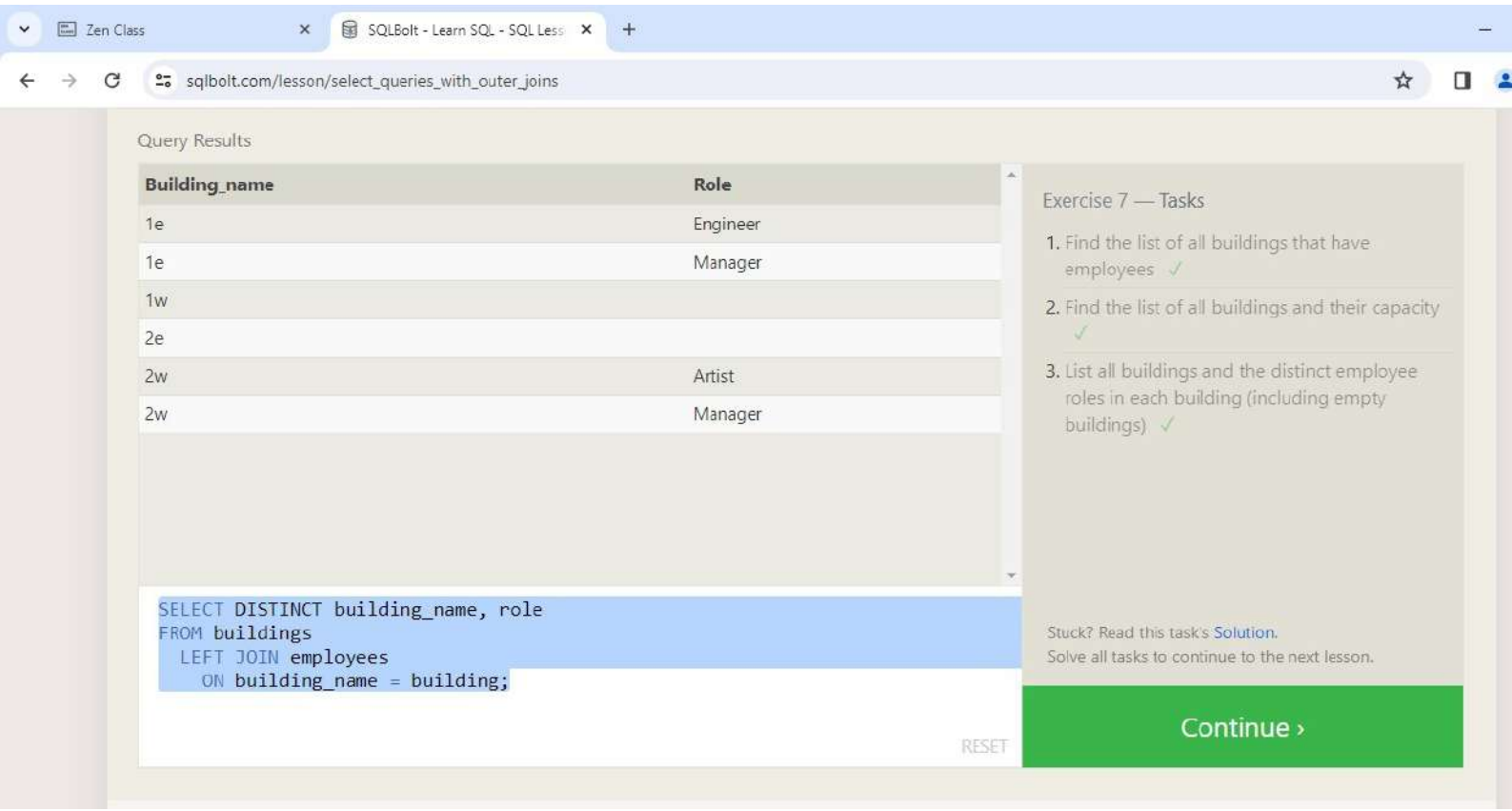
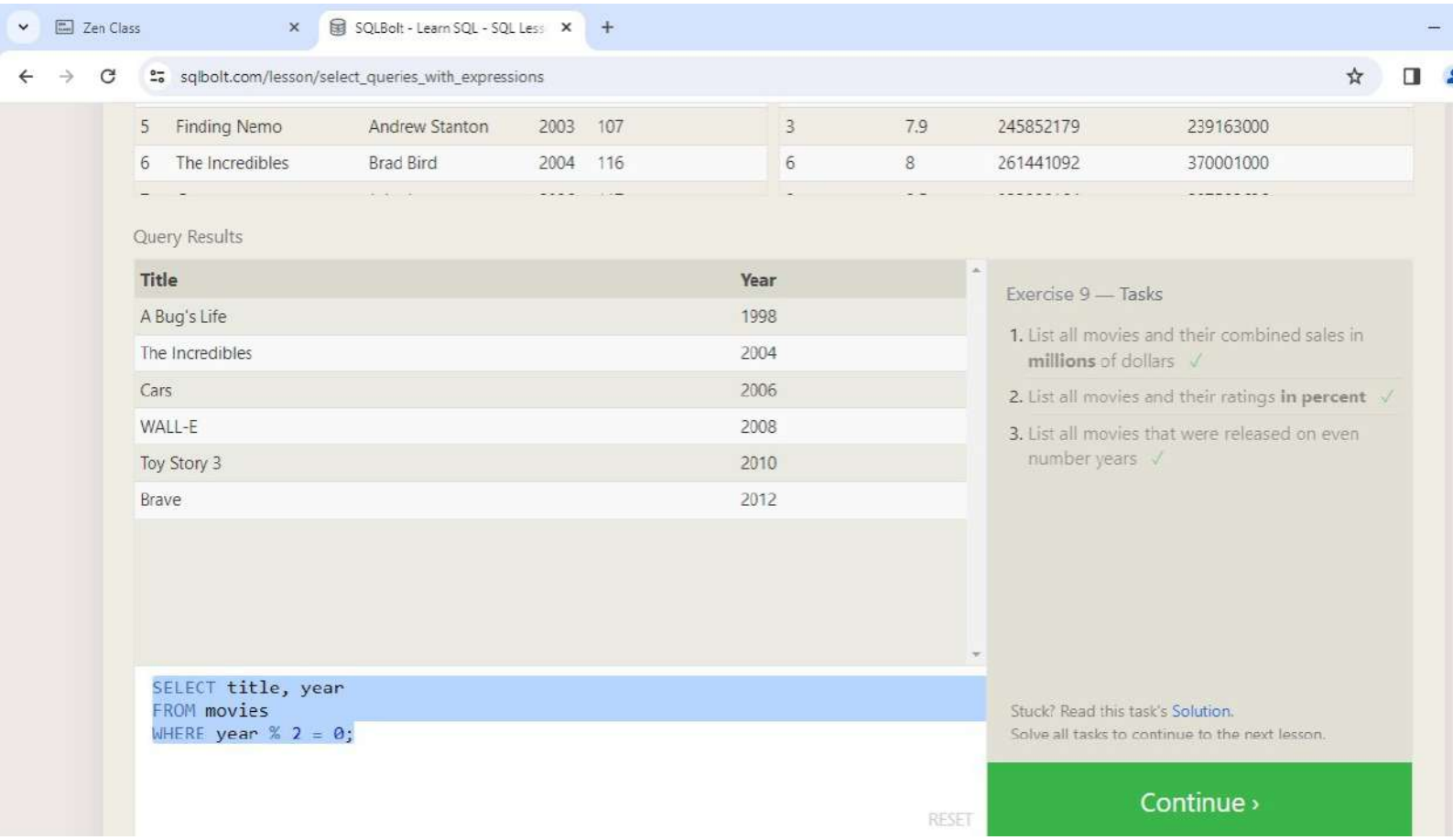
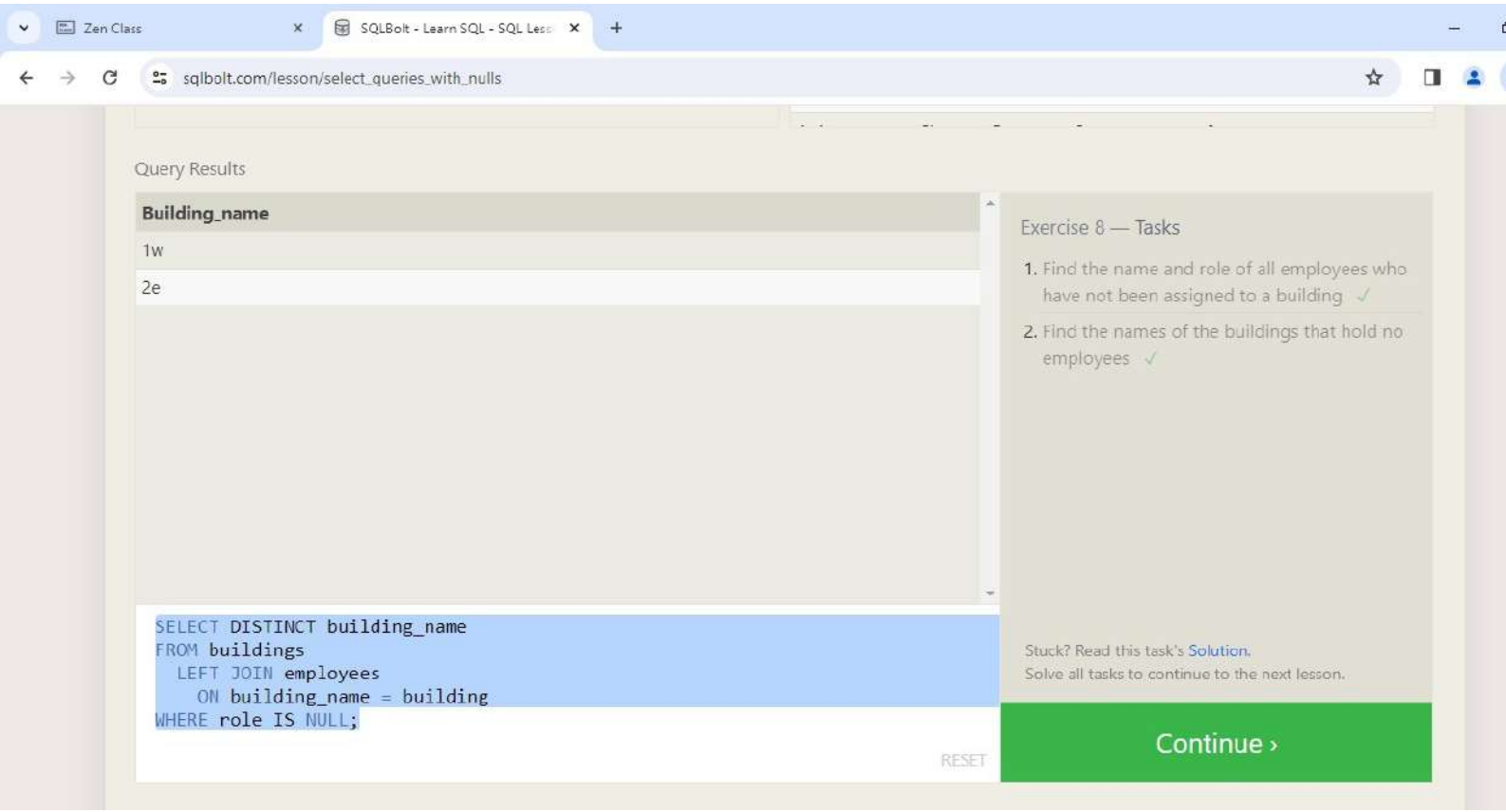
sqlbolt.com/lesson/select_queries_with_joins
Query Results
Title
Rating
WALL-E
8.5
Toy Story 3
8.4
Toy Story
8.3
Up
8.3
Finding Nemo
8.2
Monsters, Inc.
8.1
Ratatouille
8
The Incredibles
8
Toy Story 2
7.9
Monsters University
7.4
SELECT title, rating
FROM movies
JOIN boxoffice
ON movies.id = boxoffice.movie_id
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 ›


Zen Class
SQLBolt - Learn SQL - SQL Rev
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 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 LIKE "United States"
ORDER BY population DESC
LIMIT 2 OFFSET 2;
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
https://sqlbolt.com/lesson/select_queries_review#


Zen Class
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
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) ✓
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›


Zen Class
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_with_expressions
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 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;
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›


Zen Class
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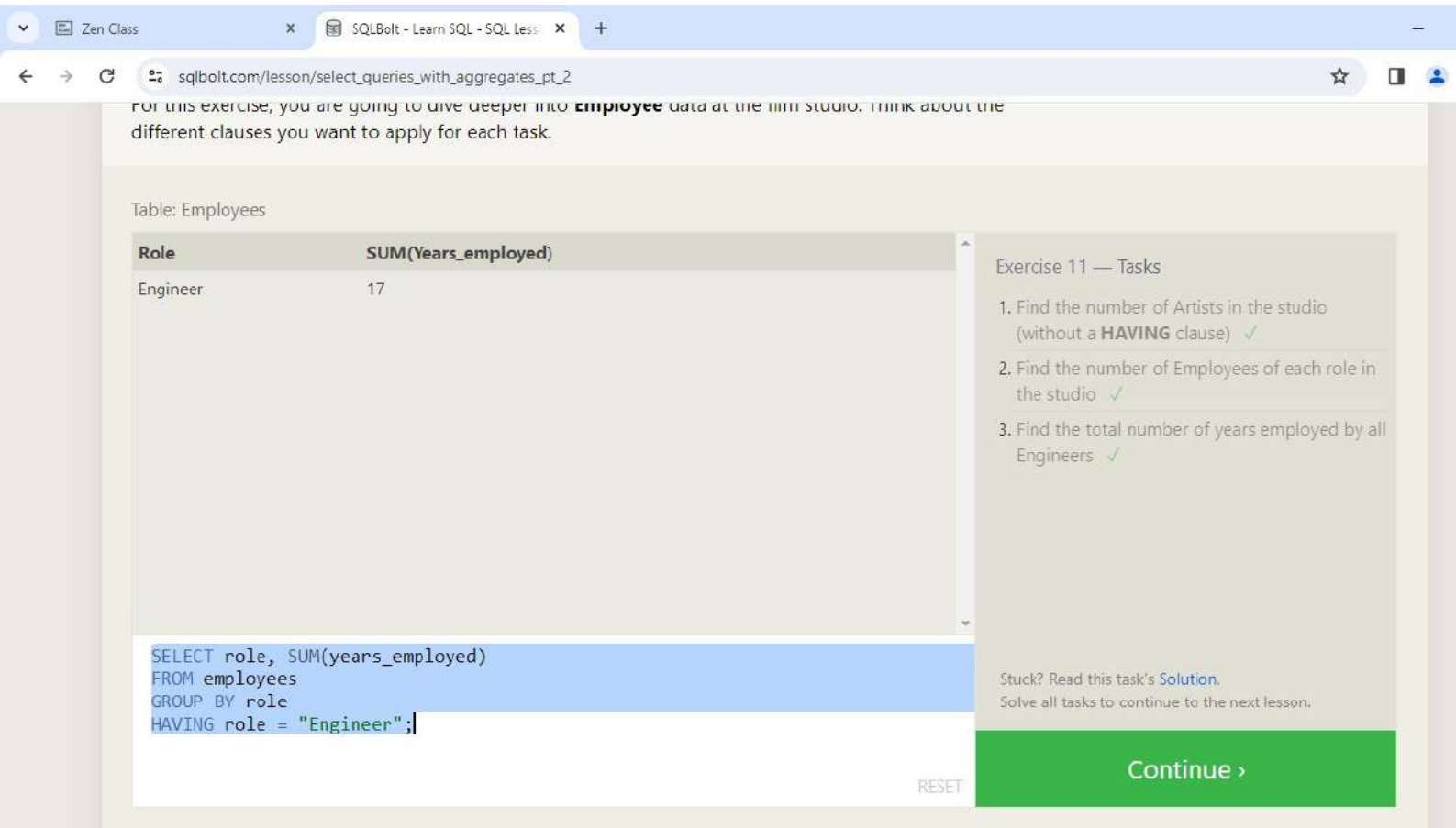
sqlbolt.com/lesson/select_queries_with_nulls
Query Results
Building_name
1w
2e
SELECT DISTINCT building_name
FROM buildings
LEFT JOIN employees
ON building_name = building
WHERE role IS NULL;
RESET
Exercise 8 — Tasks
1. Find the name and role of all employees who have not been assigned to a building ✓
2. Find the names of the buildings that hold no employees ✓
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›


Zen Class
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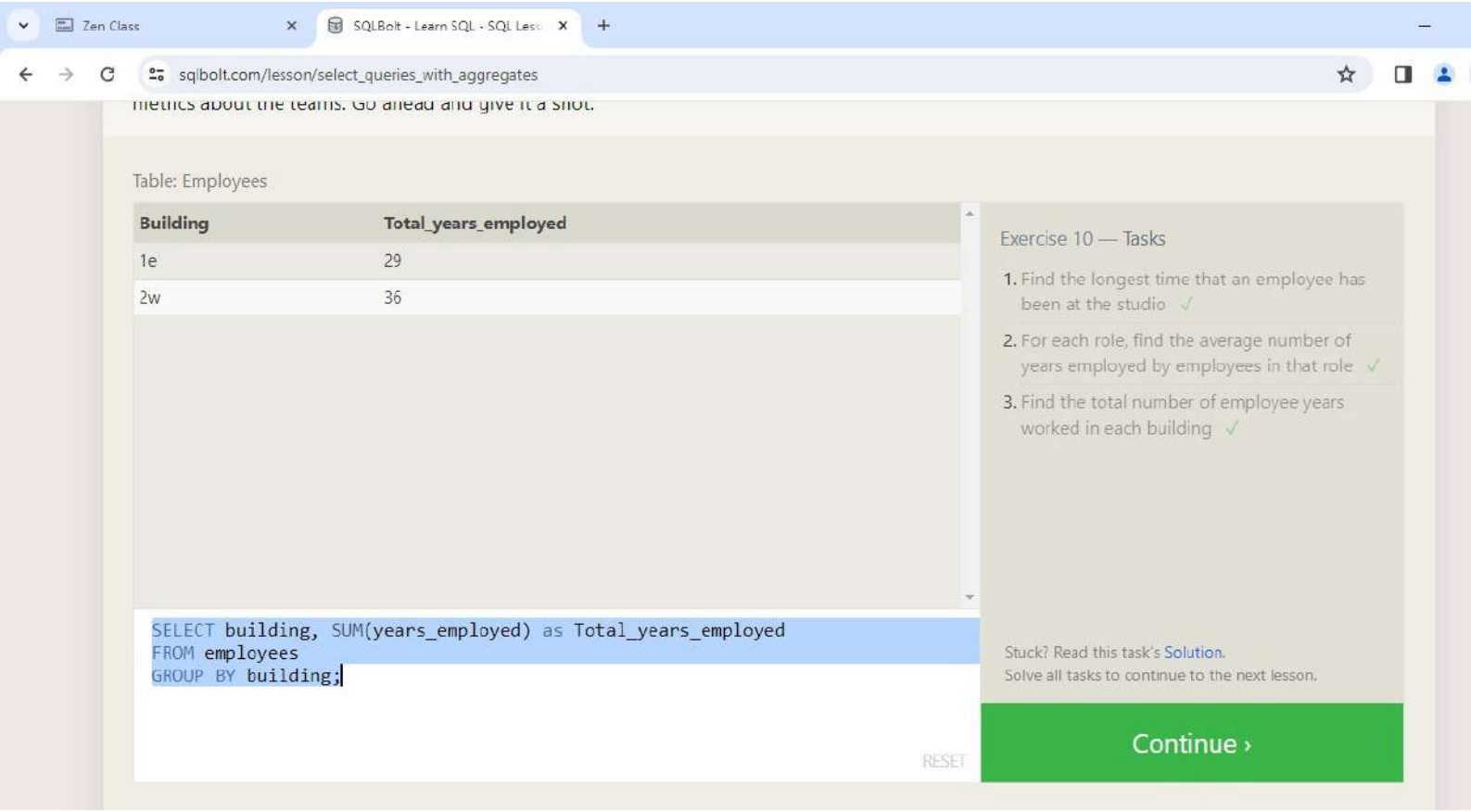
sqlbolt.com/lesson/select_queries_with_aggregates_pt_2
different clauses you want to apply for each task.
Table: Employees
Role
SUM(Years_employed)
Engineer
17
Exercise 11 — Tasks
1. Find the number of Artists in the studio (without a HAVING clause) ✓
2. Find the number of Employees of each role in the 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";
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›


Zen Class
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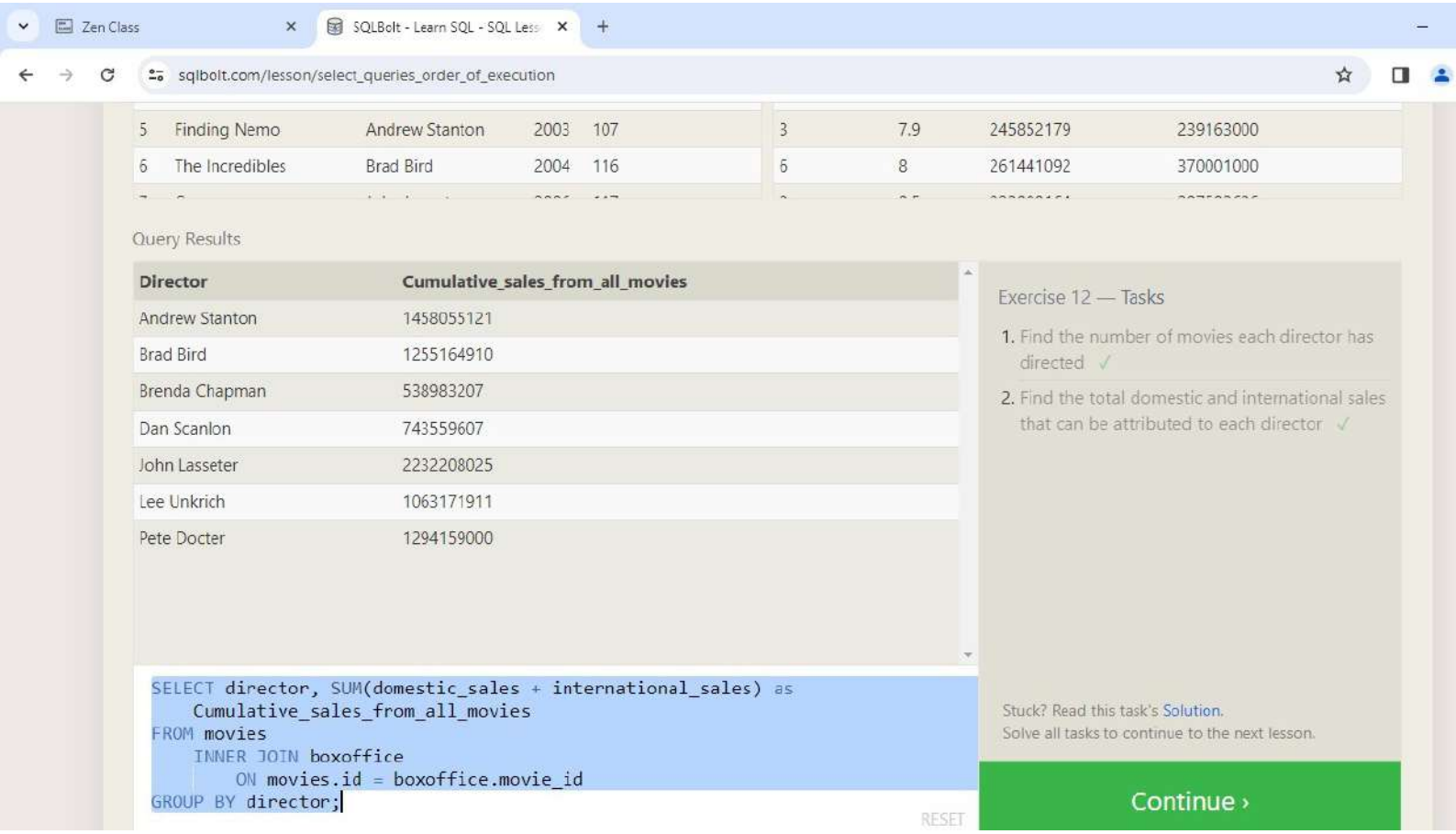
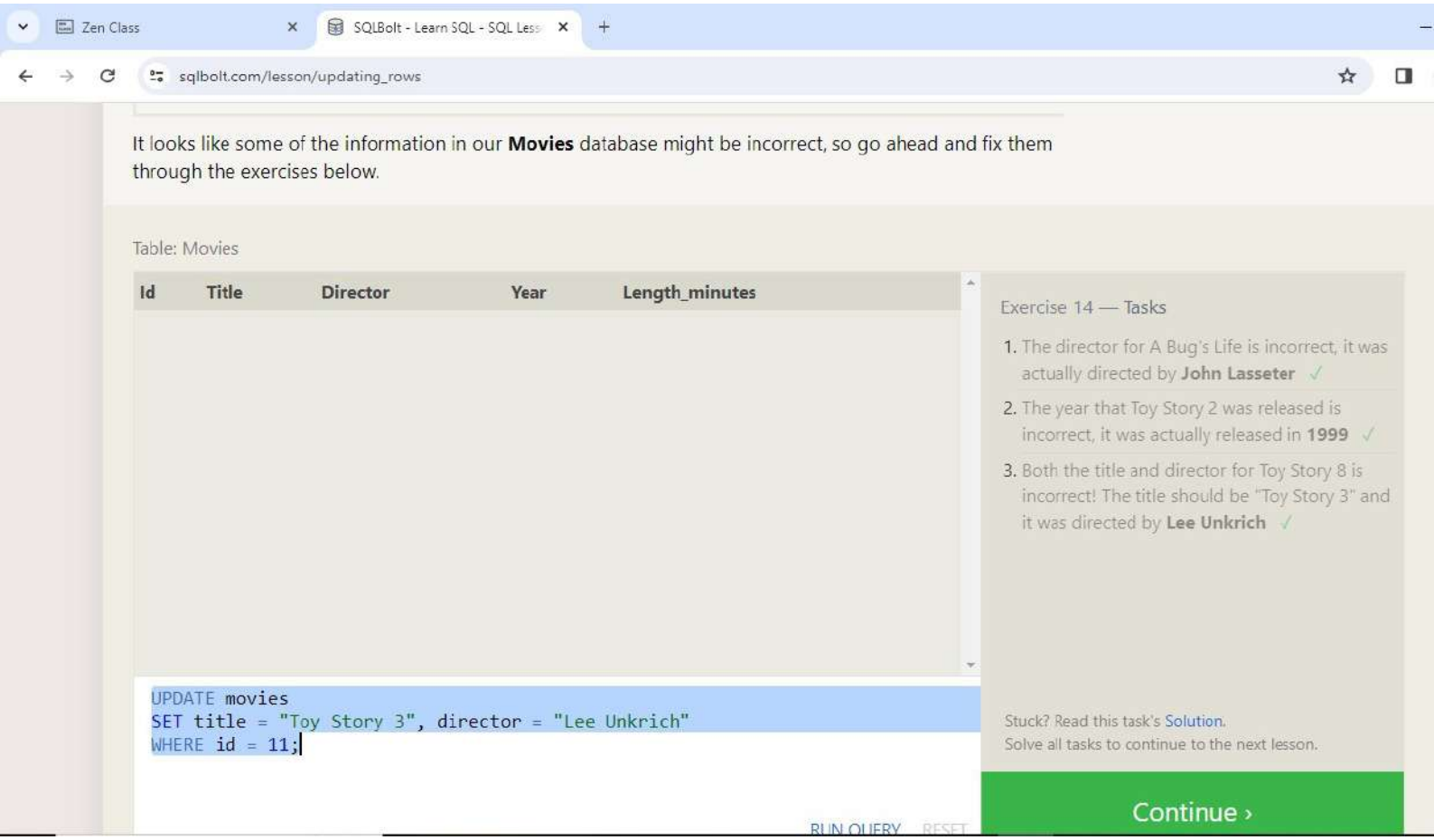
sqlbolt.com/lesson/select_queries_with_aggregates
metrics about the teams. Go ahead and give it a shot.
Table: Employees
Building
Total_years_employed
1e
29
2w
36
SELECT building, SUM(years_employed) as Total_years_employed
FROM employees
GROUP BY building;
RESET
Exercise 10 — Tasks
1. Find the longest 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 ›


Zen Class
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/select_queries_order_of_execution
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
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
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
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 ✓
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›


Zen Class
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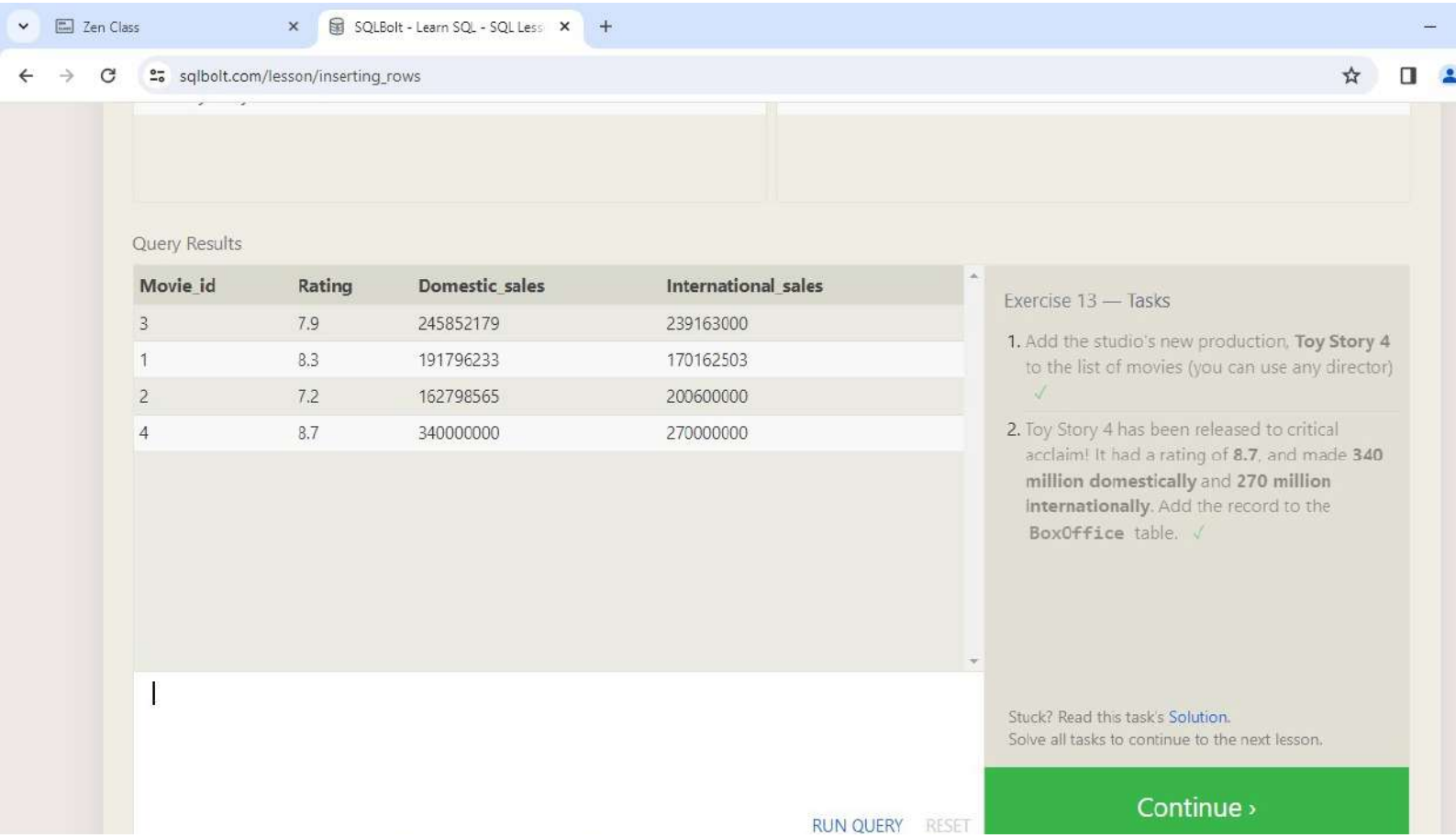
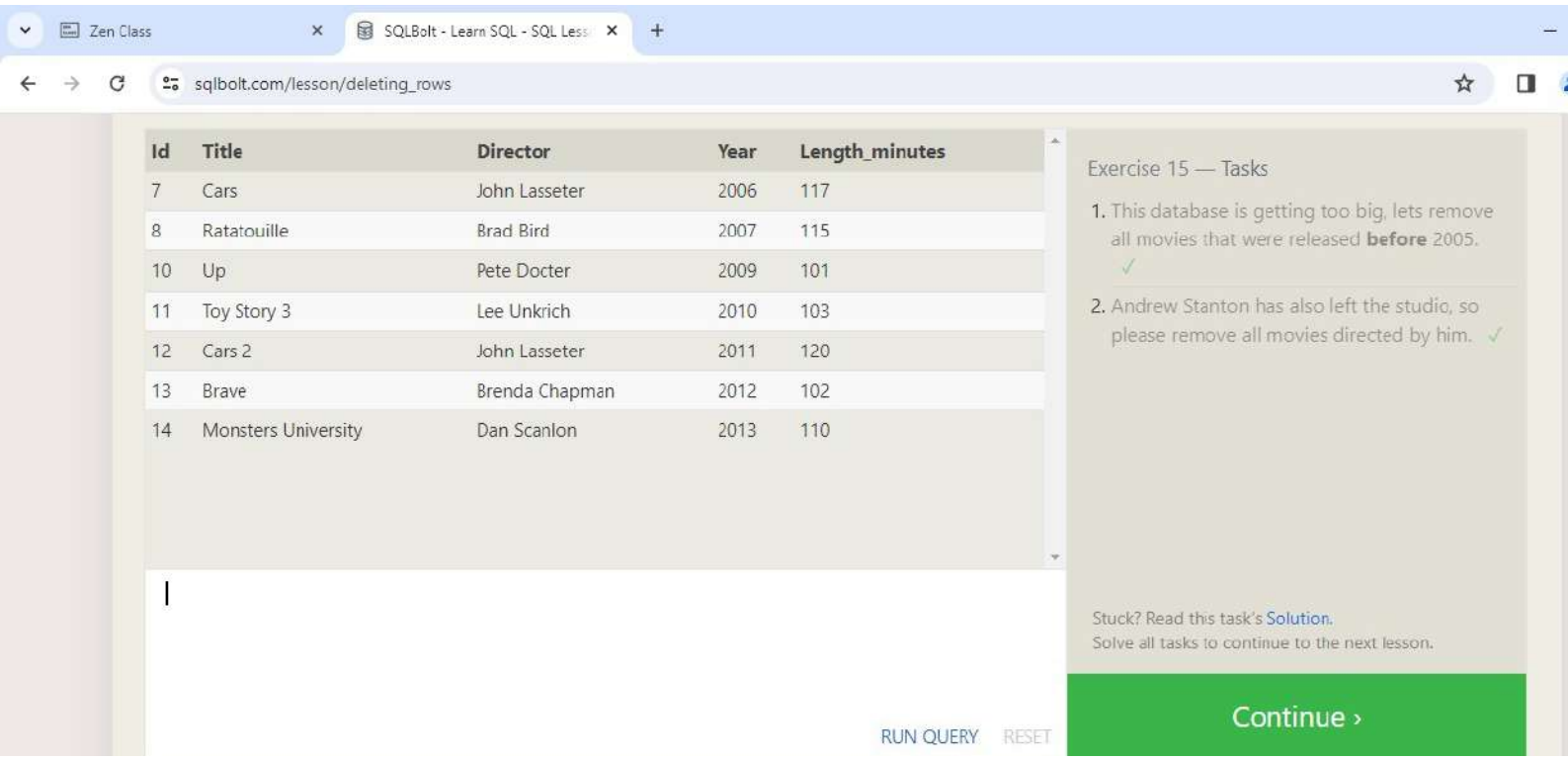
sqlbolt.com/lesson/updating_rows
It looks like some of the information in our **Movies** database might be incorrect, so go ahead and fix them through the exercises below.
Table: Movies
Id
Title
Director
Year
Length_minutes
UPDATE movies
SET title = "Toy Story 3", director = "Lee Unkrich"
WHERE id = 11;
RUN QUERY
RESET
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.
Continue ›


Zen Class
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 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 ›


Zen Class
SQLBolt - Learn SQL - SQL Less
sqlbolt.com/lesson/deleting_rows
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 ›