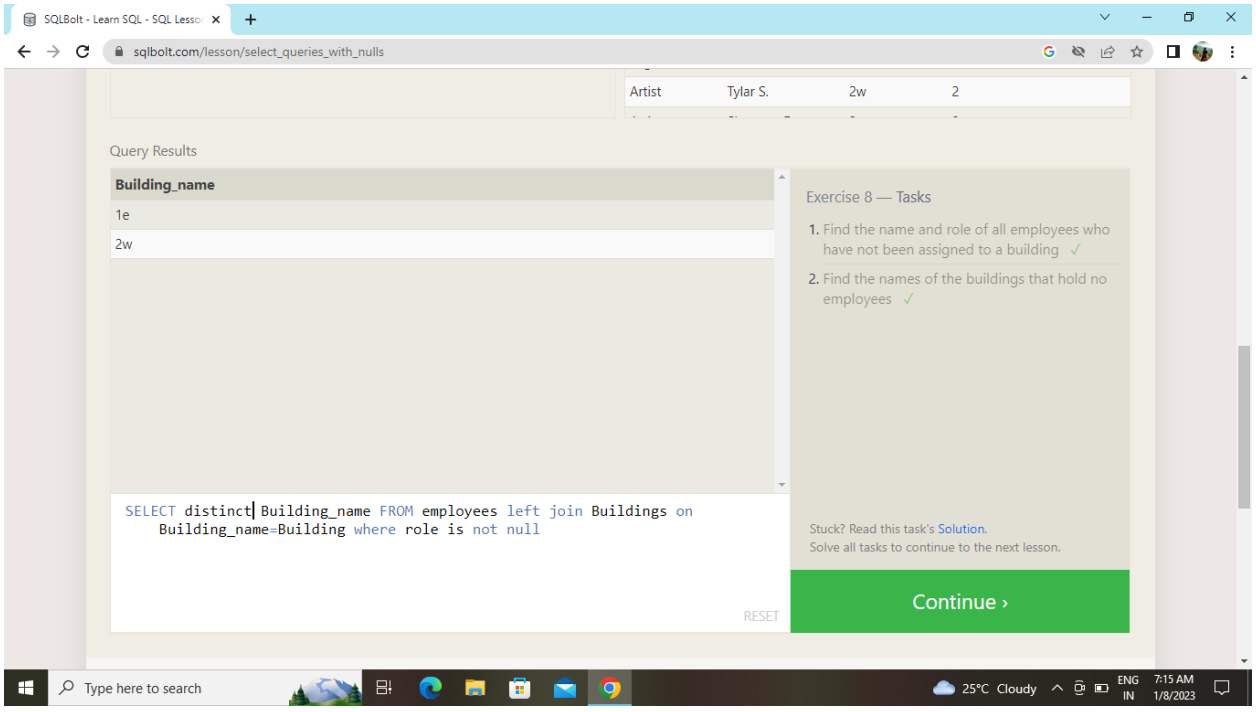
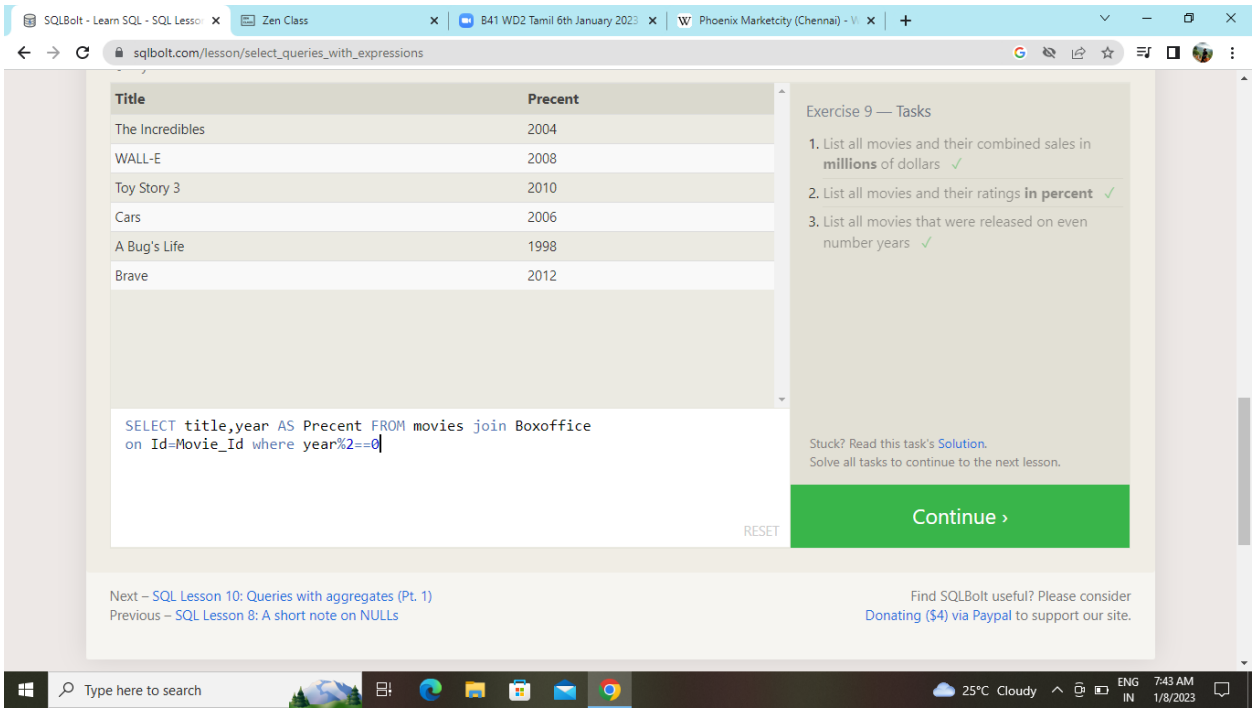
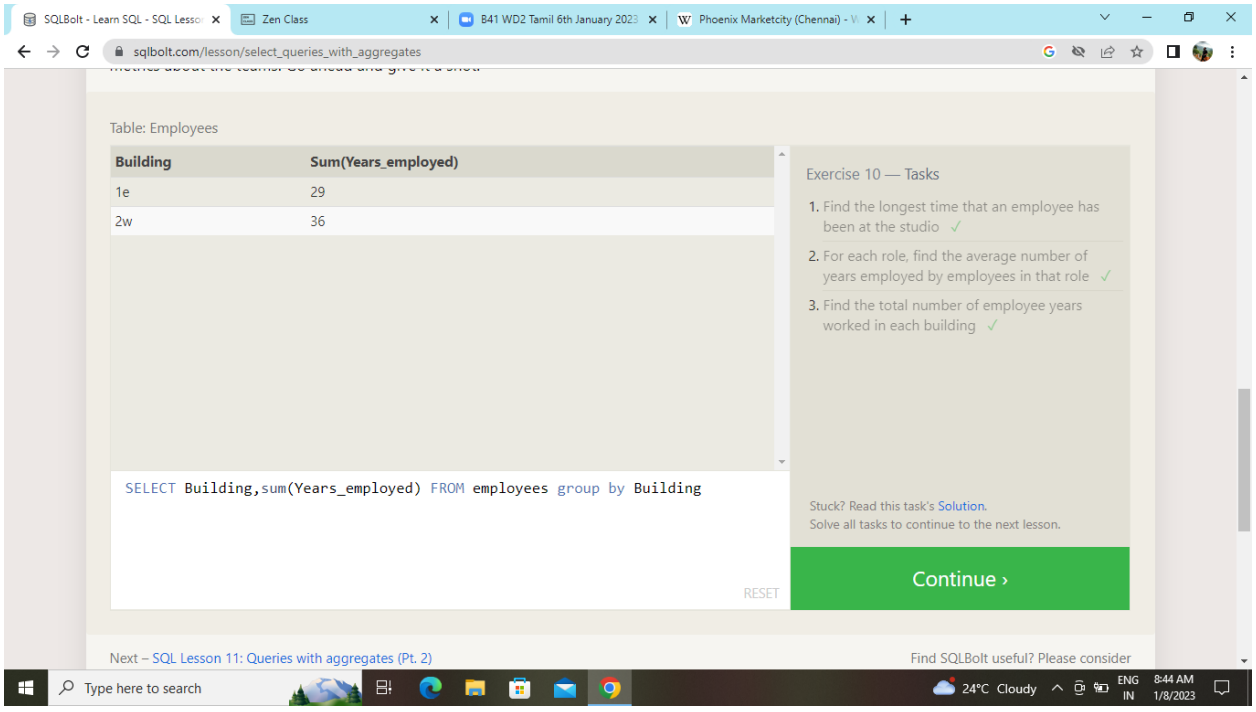
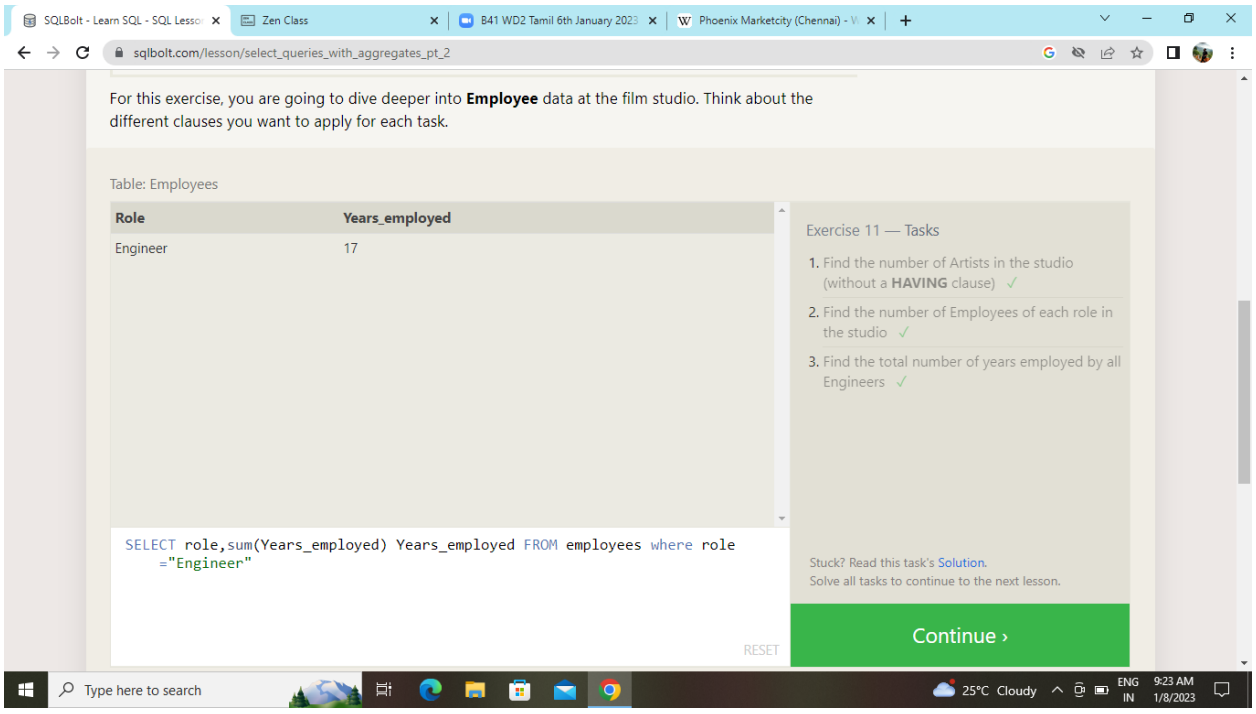
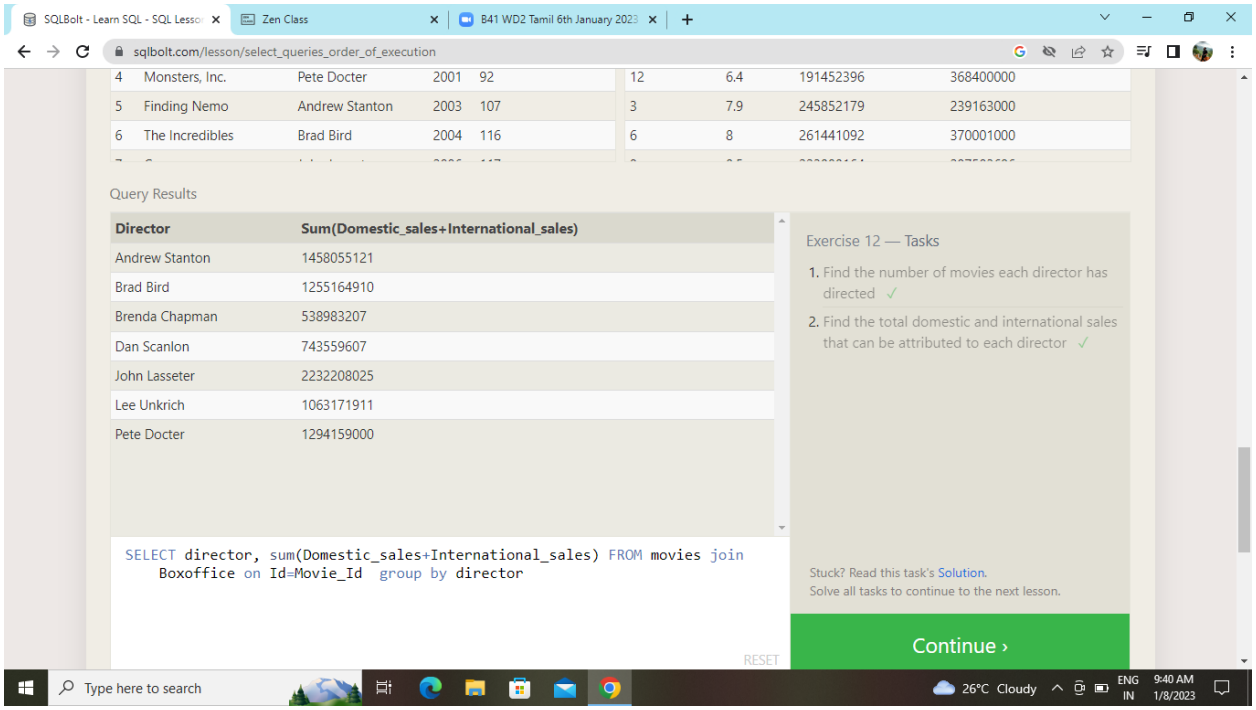
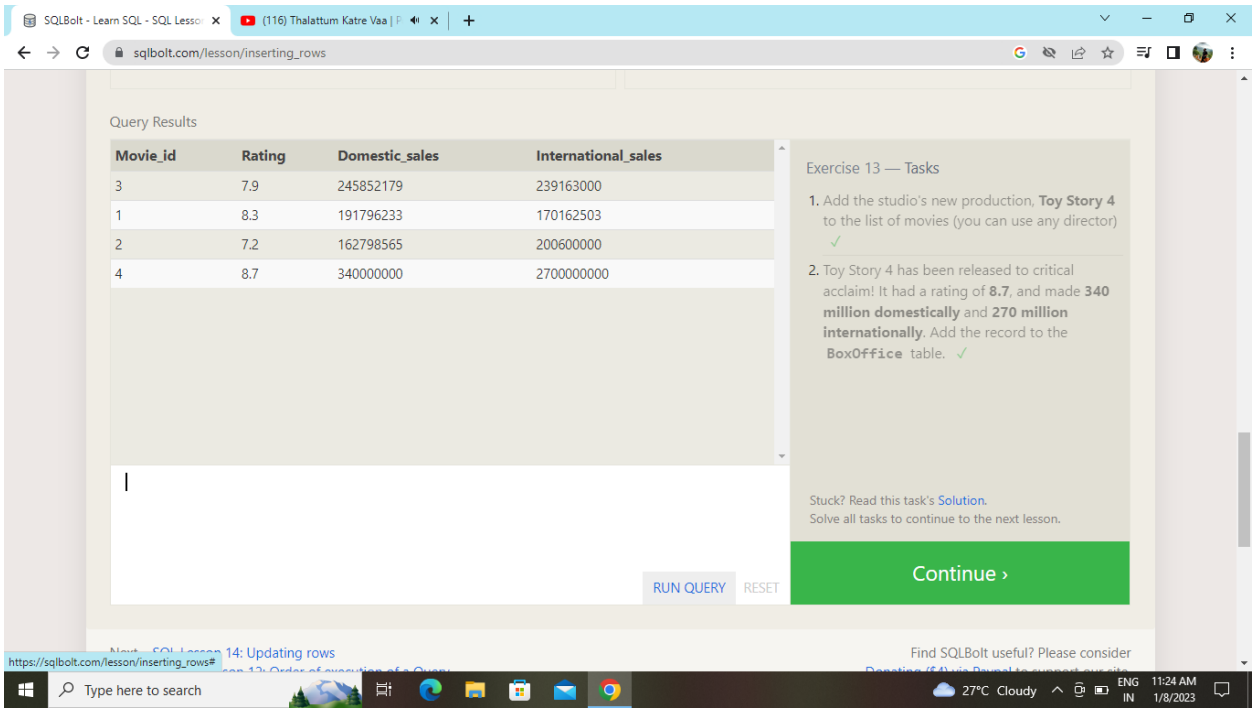

SQLBolt - Learn SQL - SQL Lesso
sqlbolt.com/lesson/select_queries_with_nulls
Artist Tylar S. 2w 2
Query Results
Building_name
1e
2w
Exercise 8 — Tasks
1. Find the name and role of all employees who have not been assigned to a building ✓
2. Find the names of the buildings that hold no employees ✓
SELECT distinct Building_name FROM employees left join Buildings on Building_name=Building where role is not null
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Type here to search
25°C Cloudy
ENG IN
7:15 AM 1/8/2023

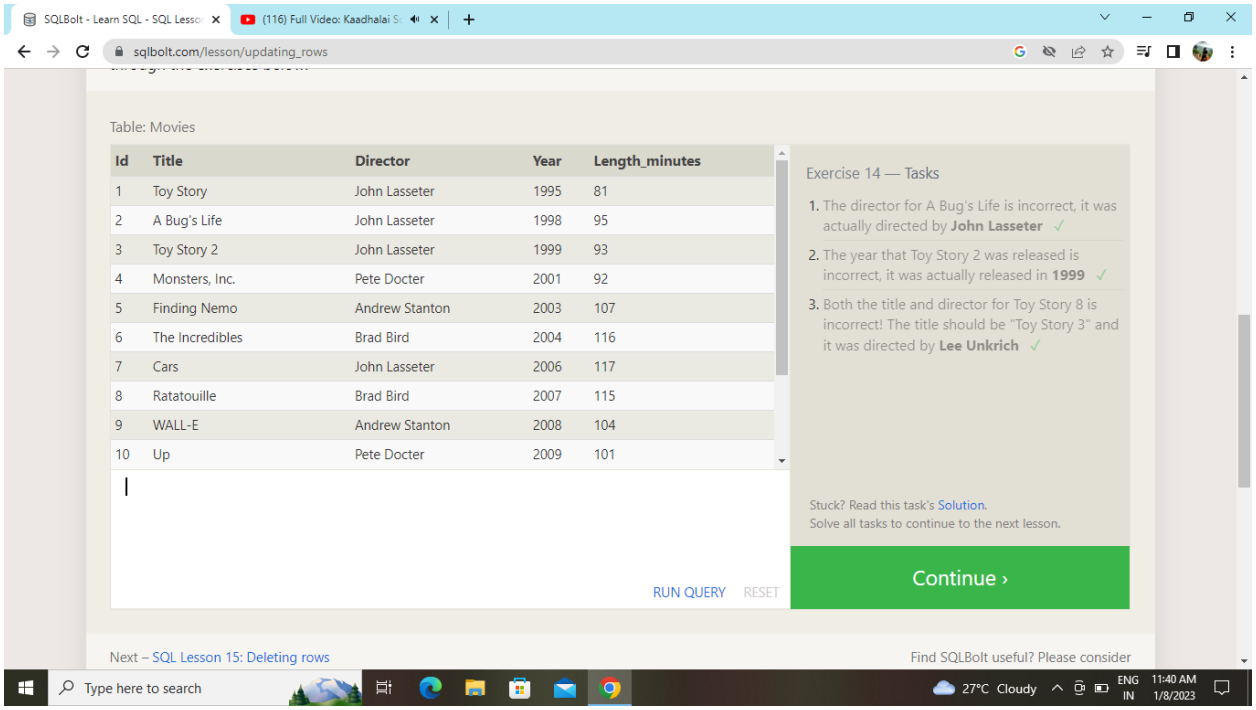

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
Phoenix Marketcity (Chennai) -
sqlbolt.com/lesson/select_queries_with_expressions
Title Precent
The Incredibles 2004
WALL-E 2008
Toy Story 3 2010
Cars 2006
A Bug's Life 1998
Brave 2012
Exercise 9 — Tasks
1. List all movies and their 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 AS Precent FROM movies join Boxoffice on Id=Movie_Id where year%2==0
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Next – SQL Lesson 10: Queries with aggregates (Pt. 1)
Previous – SQL Lesson 8: A short note on NULLs
Find SQLBolt useful? Please consider
Donating ($4) via Paypal to support our site.
Type here to search
25°C Cloudy
ENG IN
7:43 AM 1/8/2023

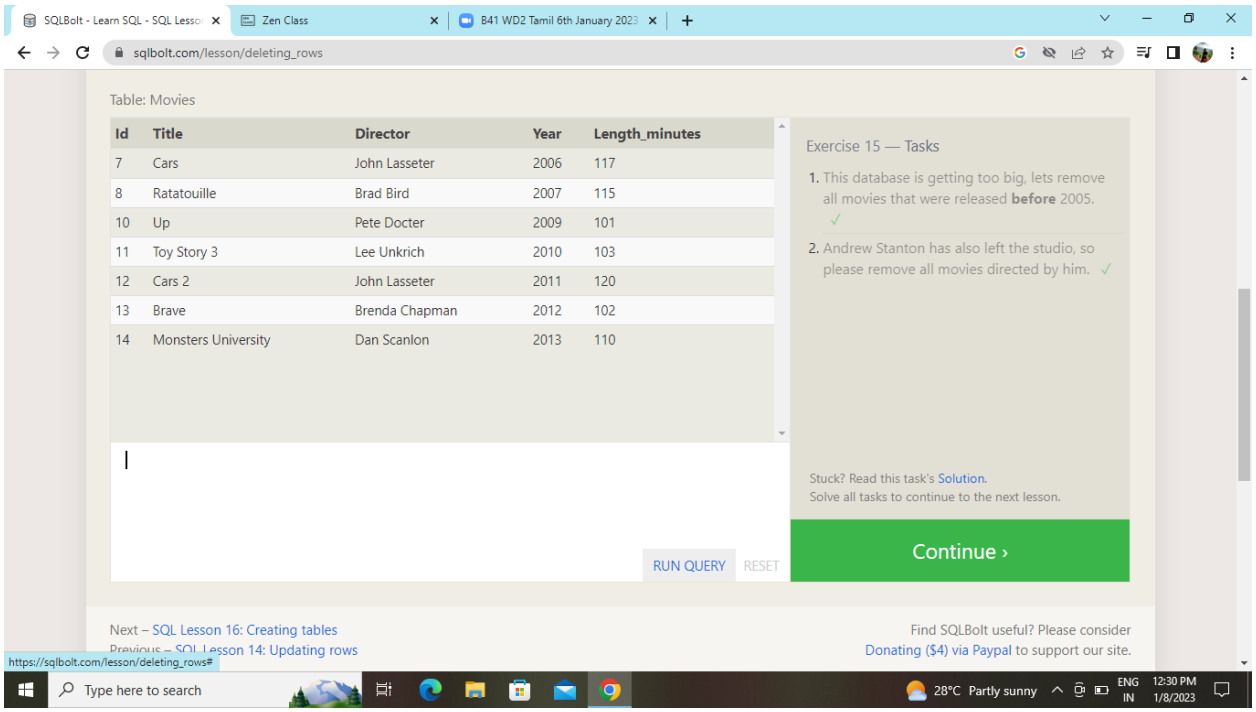

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
Phoenix Marketcity (Chennai) -
sqlbolt.com/lesson/select_queries_with_aggregates
Table: Employees
Building
Sum(Years_employed)
1e
29
2w
36
Exercise 10 — Tasks
1. Find the longest time that an employee has been at the studio ✓
2. 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) FROM employees group by Building
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Next – SQL Lesson 11: Queries with aggregates (Pt. 2)
Find SQLBolt useful? Please consider
Type here to search
24°C Cloudy
ENG IN
8:44 AM 1/8/2023

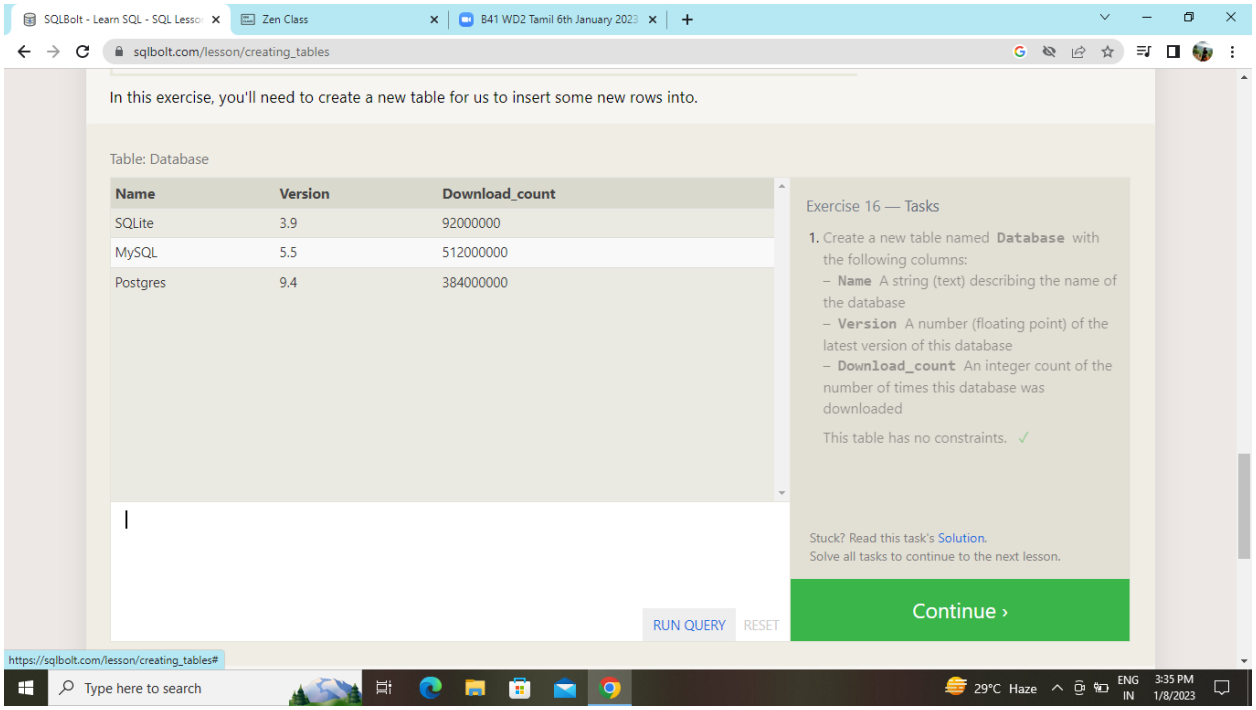

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
Phoenix Marketcity (Chennai) -
sqlbolt.com/lesson/select_queries_with_aggregates_pt_2
For this exercise, you are going to dive deeper into Employee data at the film studio. Think about the different clauses you want to apply for each task.
Table: Employees
Role
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) Years_employed FROM employees where role ="Engineer"
RESET
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
Continue ›
Type here to search
25°C Cloudy
ENG IN
9:23 AM 1/8/2023

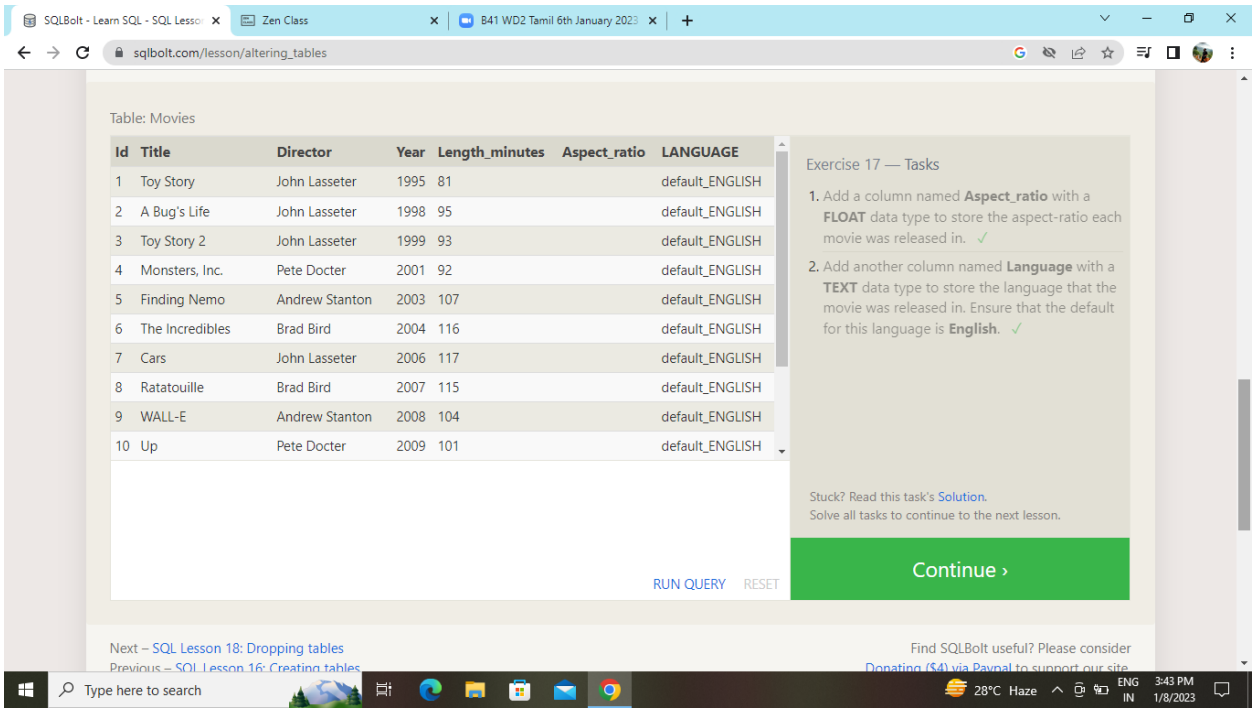

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
sqlbolt.com/lesson/select_queries_order_of_execution
4 Monsters, Inc. Pete Docter 2001 92 12 6.4 191452396 368400000
5 Finding Nemo Andrew Stanton 2003 107 3 7.9 245852179 239163000
6 The Incredibles Brad Bird 2004 116 6 8 261441092 370001000
Query Results
Director
Sum(Domestic_sales+International_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(Domestic_sales+International_sales) FROM movies join Boxoffice on Id=Movie_Id group by director
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
Type here to search
26°C Cloudy
ENG IN
9:40 AM 1/8/2023

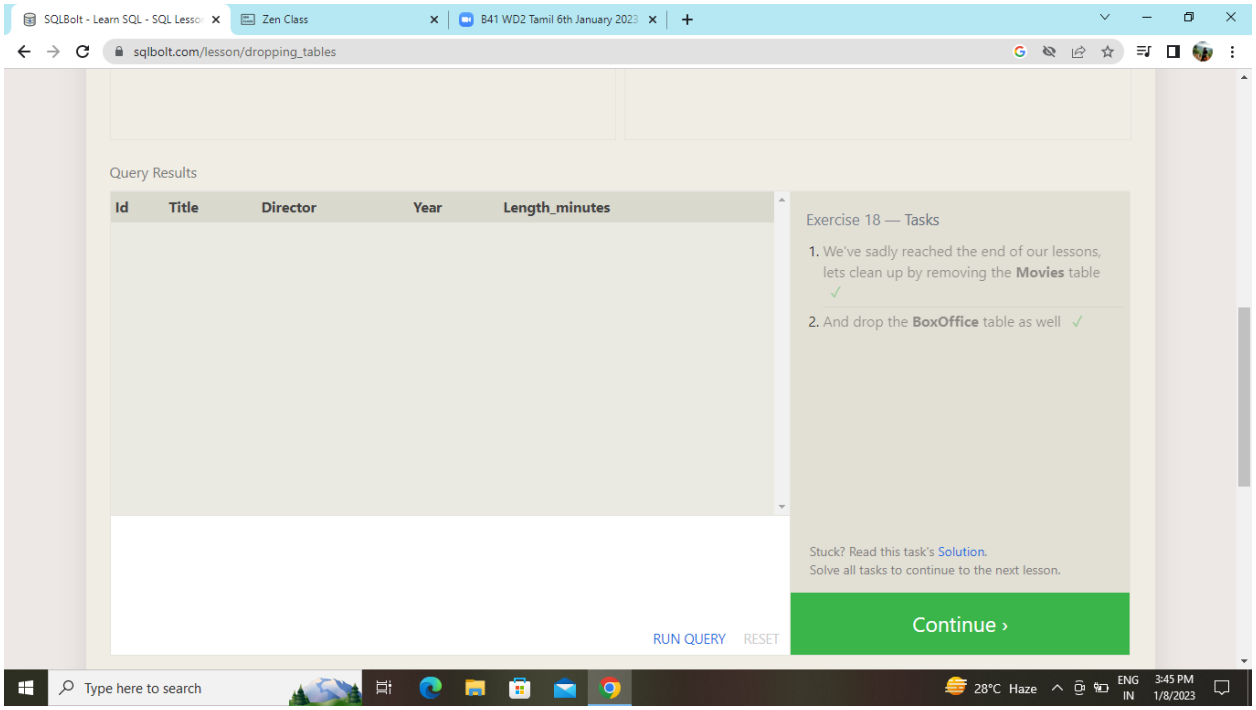

SQLBolt - Learn SQL - SQL Lesso
(116) Thalattum Katre Vaa
sqlbolt.com/lesson/inserting_rows
Query Results
Movie_id Rating Domestic_sales International_sales
3 7.9 245852179 239163000
1 8.3 191796233 170162503
2 7.2 162798565 200600000
4 8.7 340000000 2700000000
Exercise 13 — Tasks
1. Add the studio's 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 ›
Next: SQL Lesson 14: Updating rows
Find SQLBolt useful? Please consider
https://sqlbolt.com/lesson/inserting_rows#
Type here to search
27°C Cloudy
ENG IN
11:24 AM 1/8/2023

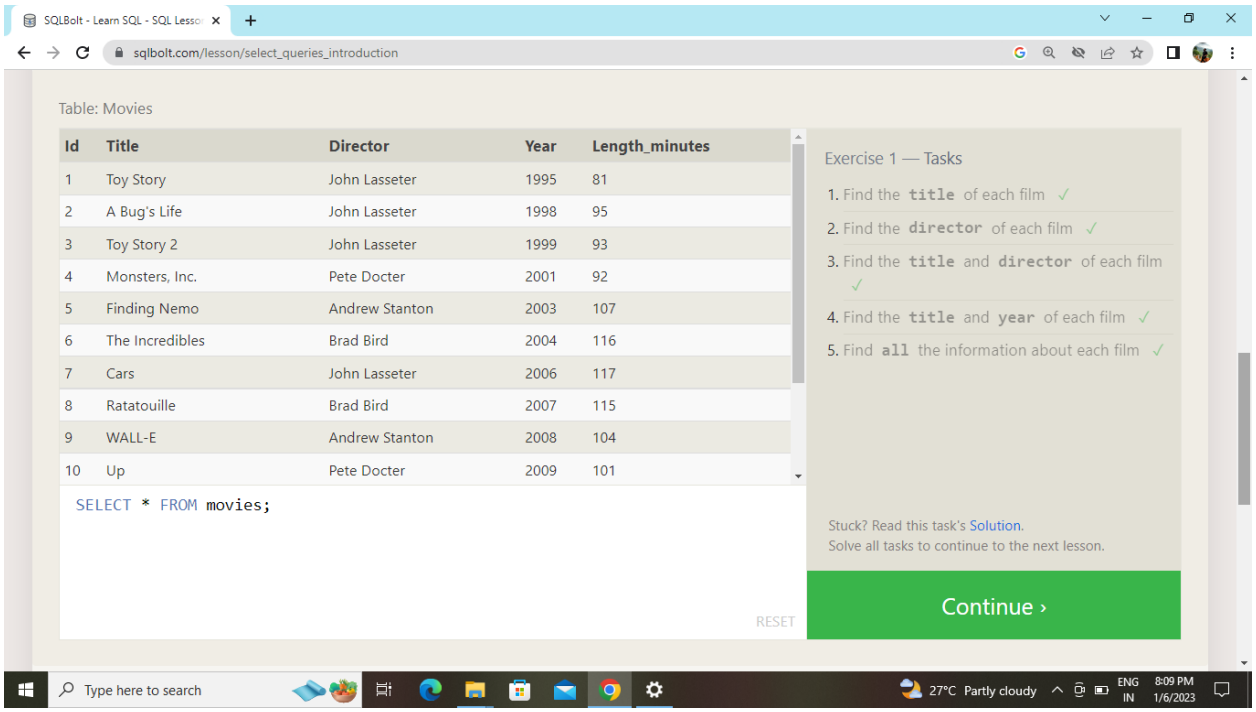

SQLBolt - Learn SQL - SQL Lesso
(116) Full Video: Kaadhalai S
sqlbolt.com/lesson/updating_rows
Table: Movies
Id Title Director Year Length_minutes
1 Toy Story John Lasseter 1995 81
2 A Bug's Life John Lasseter 1998 95
3 Toy Story 2 John Lasseter 1999 93
4 Monsters, Inc. Pete Docter 2001 92
5 Finding 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
Find SQLBolt useful? Please consider
Type here to search
27°C Cloudy
ENG IN
11:40 AM 1/8/2023

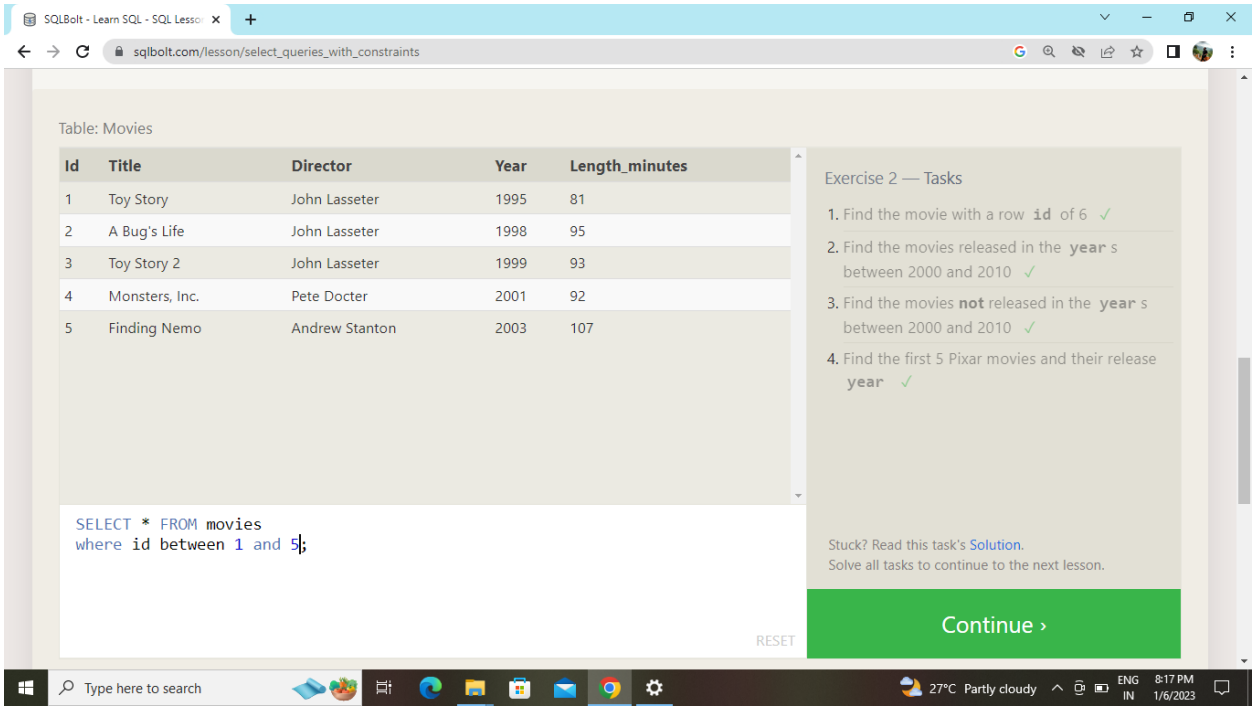

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
sqlbolt.com/lesson/deleting_rows
Table: Movies
Id Title Director Year Length_minutes
7 Cars John Lasseter 2006 117
8 Ratatouille Brad Bird 2007 115
10 Up Pete Docter 2009 101
11 Toy Story 3 Lee Unkrich 2010 103
12 Cars 2 John Lasseter 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
Find SQLBolt useful? Please consider
Donating ($4) via Paypal to support our site.
https://sqlbolt.com/lesson/deleting_rows#
Type here to search
28°C Partly sunny
ENG IN
12:30 PM 1/8/2023

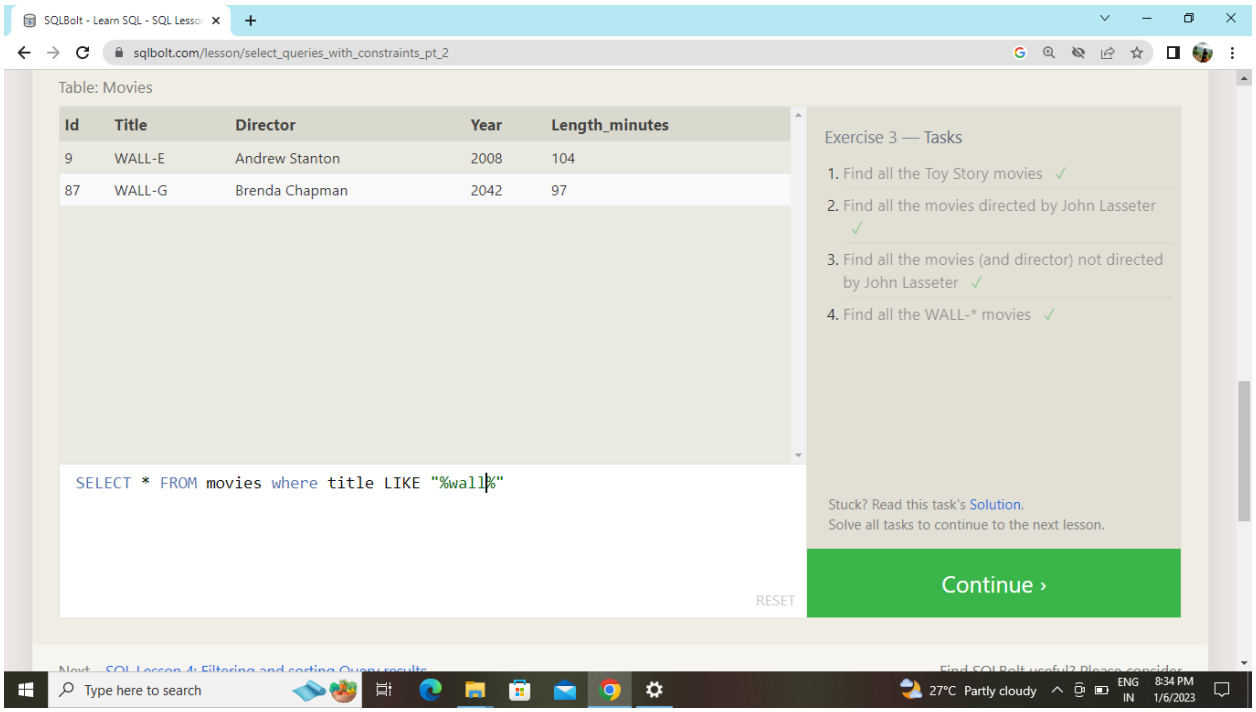

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
sqlbolt.com/lesson/creating_tables
In this exercise, you'll need to create a new table for us to insert some new rows into.
Table: Database
Name Version Download_count
SQLite 3.9 92000000
MySQL 5.5 512000000
Postgres 9.4 384000000
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 ›
https://sqlbolt.com/lesson/creating_tables#
Type here to search
29°C Haze
ENG IN
3:35 PM 1/8/2023

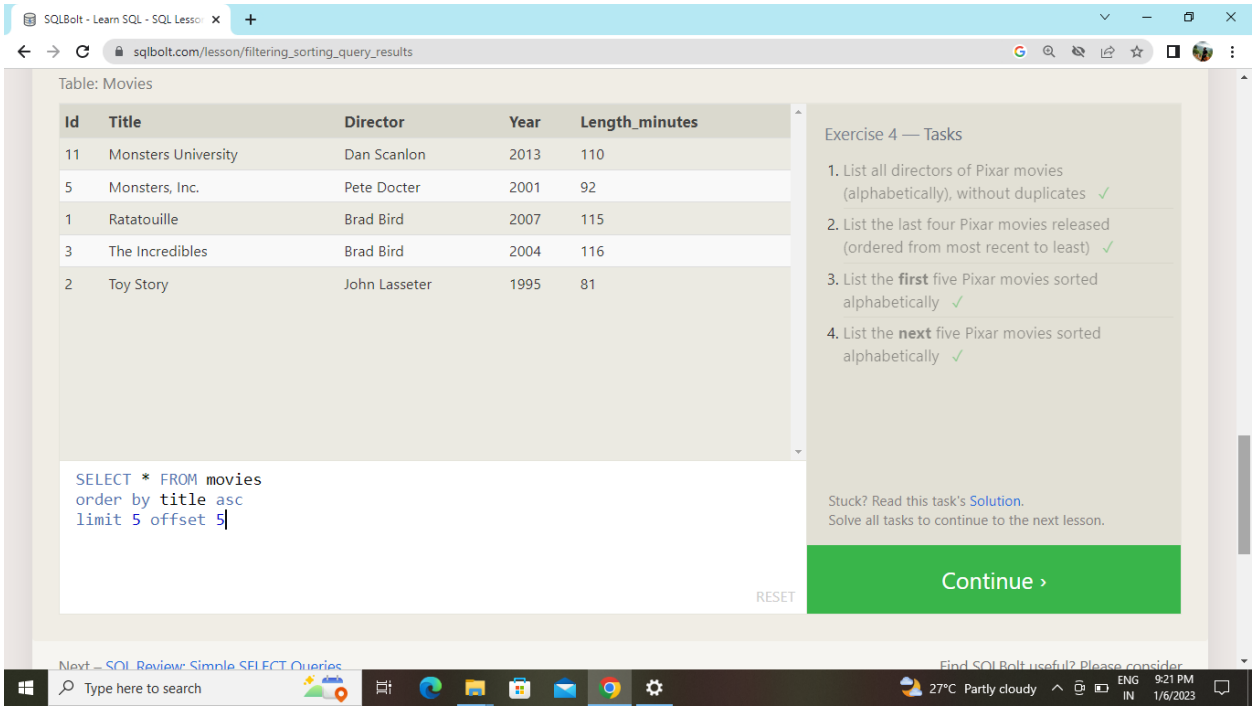

SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
sqlbolt.com/lesson/altering_tables
Table: Movies
Id Title Director Year Length_minutes Aspect_ratio LANGUAGE
1 Toy Story John Lasseter 1995 81 default_ENGLISH
2 A Bug's Life John Lasseter 1998 95 default_ENGLISH
3 Toy Story 2 John Lasseter 1999 93 default_ENGLISH
4 Monsters, Inc. Pete Docter 2001 92 default_ENGLISH
5 Finding Nemo Andrew Stanton 2003 107 default_ENGLISH
6 The Incredibles Brad Bird 2004 116 default_ENGLISH
7 Cars John Lasseter 2006 117 default_ENGLISH
8 Ratatouille Brad Bird 2007 115 default_ENGLISH
9 WALL-E Andrew Stanton 2008 104 default_ENGLISH
10 Up Pete Docter 2009 101 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
Find SQLBolt useful? Please consider
Donating ($4) via Paypal to support our site
Type here to search
28°C Haze
ENG IN
3:43 PM 1/8/2023


SQLBolt - Learn SQL - SQL Lesso
Zen Class
B41 WD2 Tamil 6th January 2023
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
28°C Haze
ENG IN
3:45 PM 1/8/2023


SQLBolt - Learn SQL - SQL Lesso
sqlbolt.com/lesson/select_queries_introduction
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;
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.
RESET
Continue ›
Type here to search
27°C Partly cloudy
ENG IN
8:09 PM 1/6/2023


SQLBolt - Learn SQL - SQL Lesso
sqlbolt.com/lesson/select_queries_with_constraints
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
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 * FROM movies
where id between 1 and 5;
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
Type here to search
27°C Partly cloudy
ENG IN
8:17 PM 1/6/2023


SQLBolt - Learn SQL - SQL Lesso
sqlbolt.com/lesson/select_queries_with_constraints_pt_2
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 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 "%wall%"
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
Type here to search
27°C Partly cloudy
ENG IN
8:34 PM 1/6/2023


SQLBolt - Learn SQL - SQL Lesso
sqlbolt.com/lesson/filtering_sorting_query_results
Table: Movies
Id Title Director Year Length_minutes
11 Monsters University Dan Scanlon 2013 110
5 Monsters, Inc. Pete Docter 2001 92
1 Ratatouille Brad Bird 2007 115
3 The Incredibles Brad Bird 2004 116
2 Toy Story John Lasseter 1995 81
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 * 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 ›
Next – SQL Review: Simple SELECT Queries
Find SQLBolt useful? Please consider
Type here to search
27°C Partly cloudy
ENG IN
9:21 PM 1/6/2023

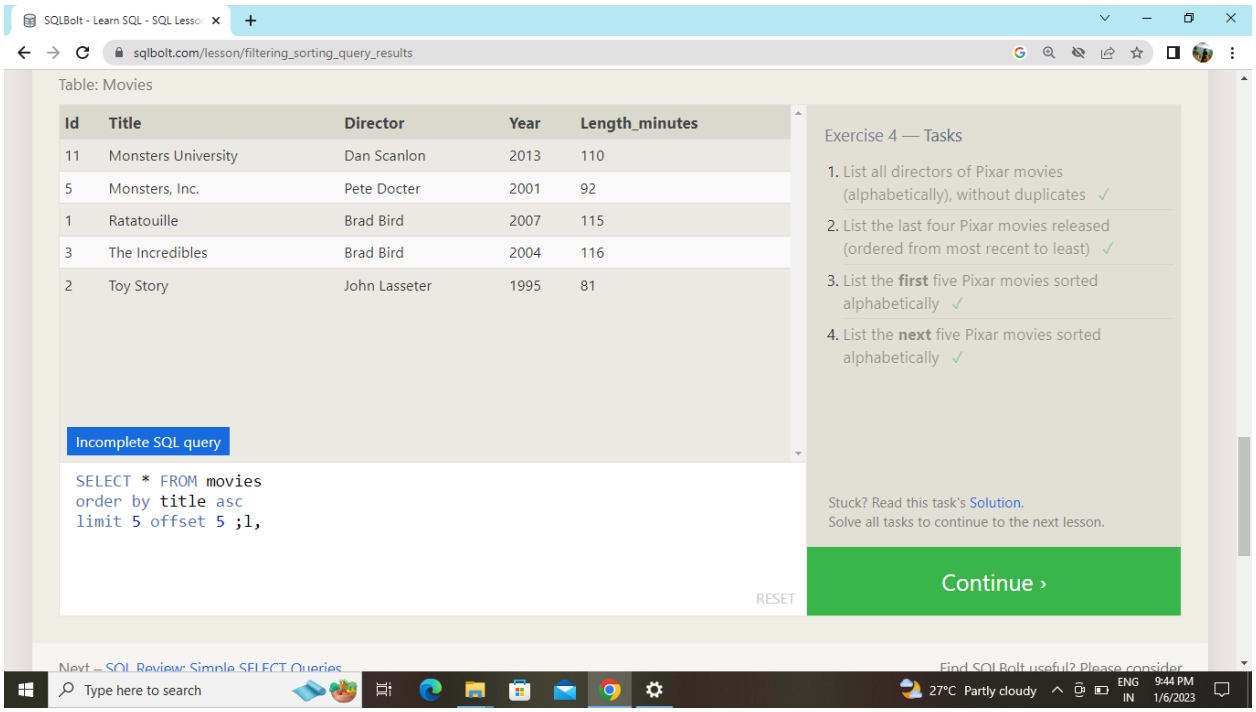

SQLBolt - Learn SQL - SQL Lesso
sqlbolt.com/lesson/filtering_sorting_query_results
Table: Movies
Id Title Director Year Length_minutes
11 Monsters University Dan Scanlon 2013 110
5 Monsters, Inc. Pete Docter 2001 92
1 Ratatouille Brad Bird 2007 115
3 The Incredibles Brad Bird 2004 116
2 Toy Story John Lasseter 1995 81
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 ✓
Incomplete SQL query
SELECT * FROM movies
order by title asc
limit 5 offset 5 ;l,
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.
RESET
Continue ›
Next – SQL Review: Simple SELECT Queries
Find SQLBolt useful? Please consider
Type here to search
27°C Partly cloudy
ENG IN
9:44 PM 1/6/2023

Table: North_american_cities

City	Population
Chicago	2718782
Houston	2195914

```
SELECT city,population 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 ✓
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

Find SQLBolt useful? Please consider
Donating ($4) via Paypal to support our site.

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 Boxoffice.Movie_id=
    movies.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 ›

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

Find SQLBolt useful? Please consider
Donating ($4) via Paypal to support our site.