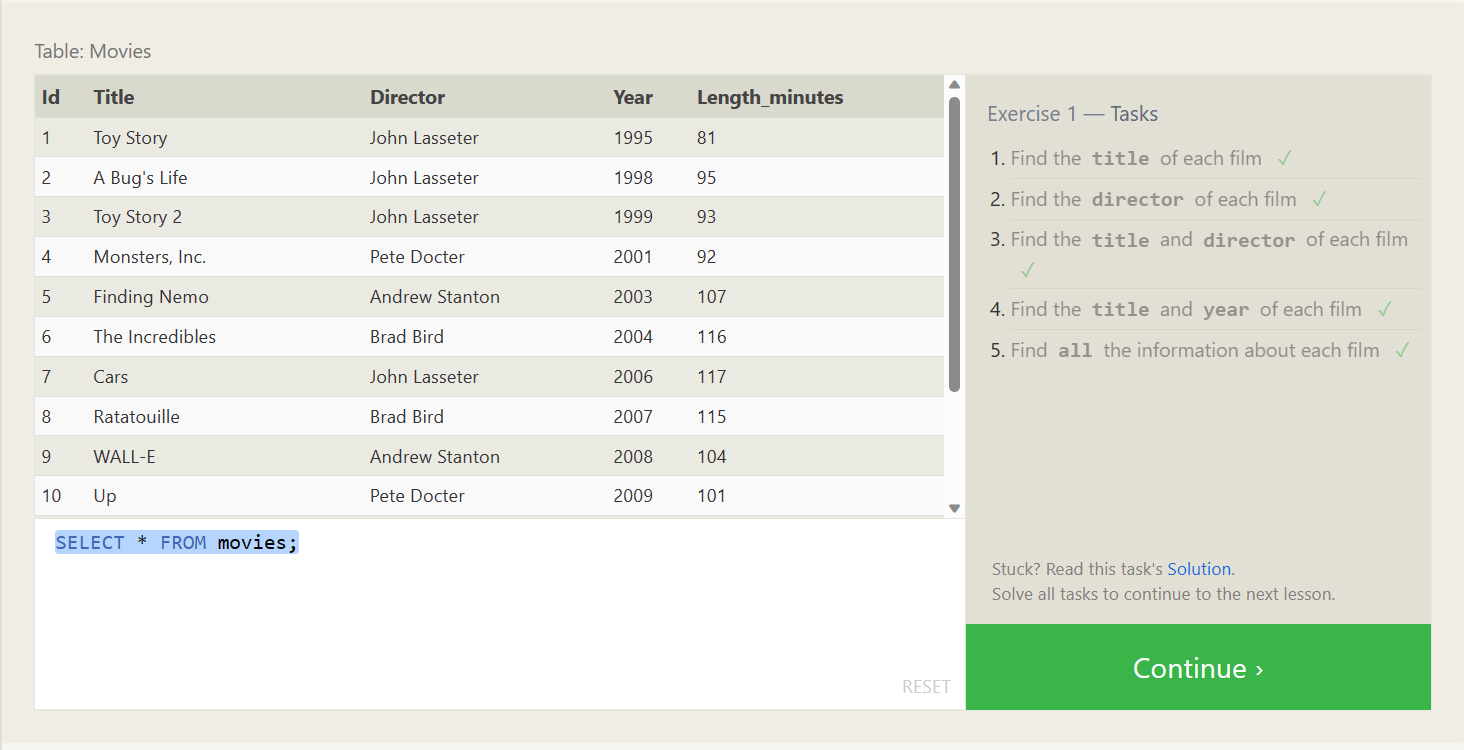
# SQL Lesson 1



1.SELECT title FROM movies;

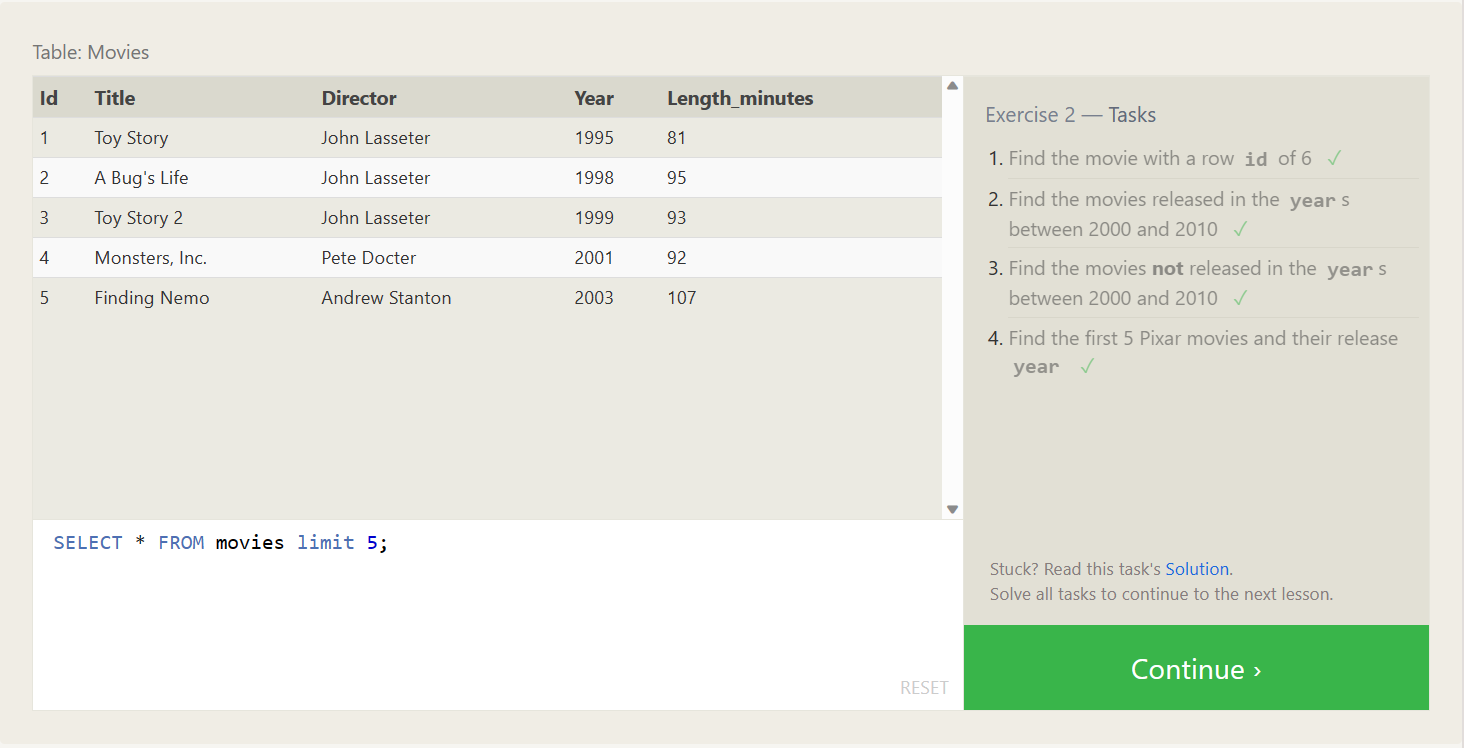
2. SELECT director FROM movies;

3. SELECT title,director FROM movies;

4. SELECT title,year FROM movies;

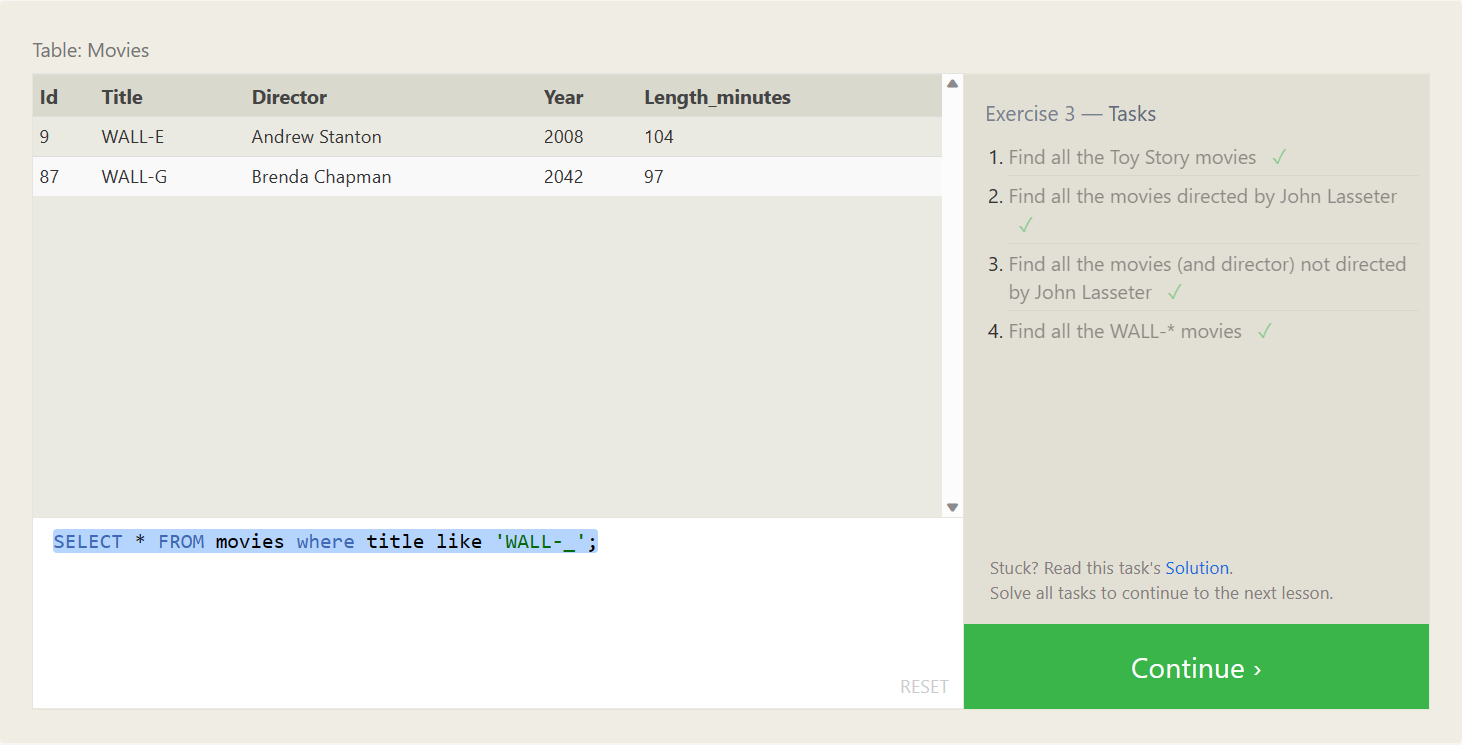
5. SELECT \* FROM movies;

# SQL Lesson 2



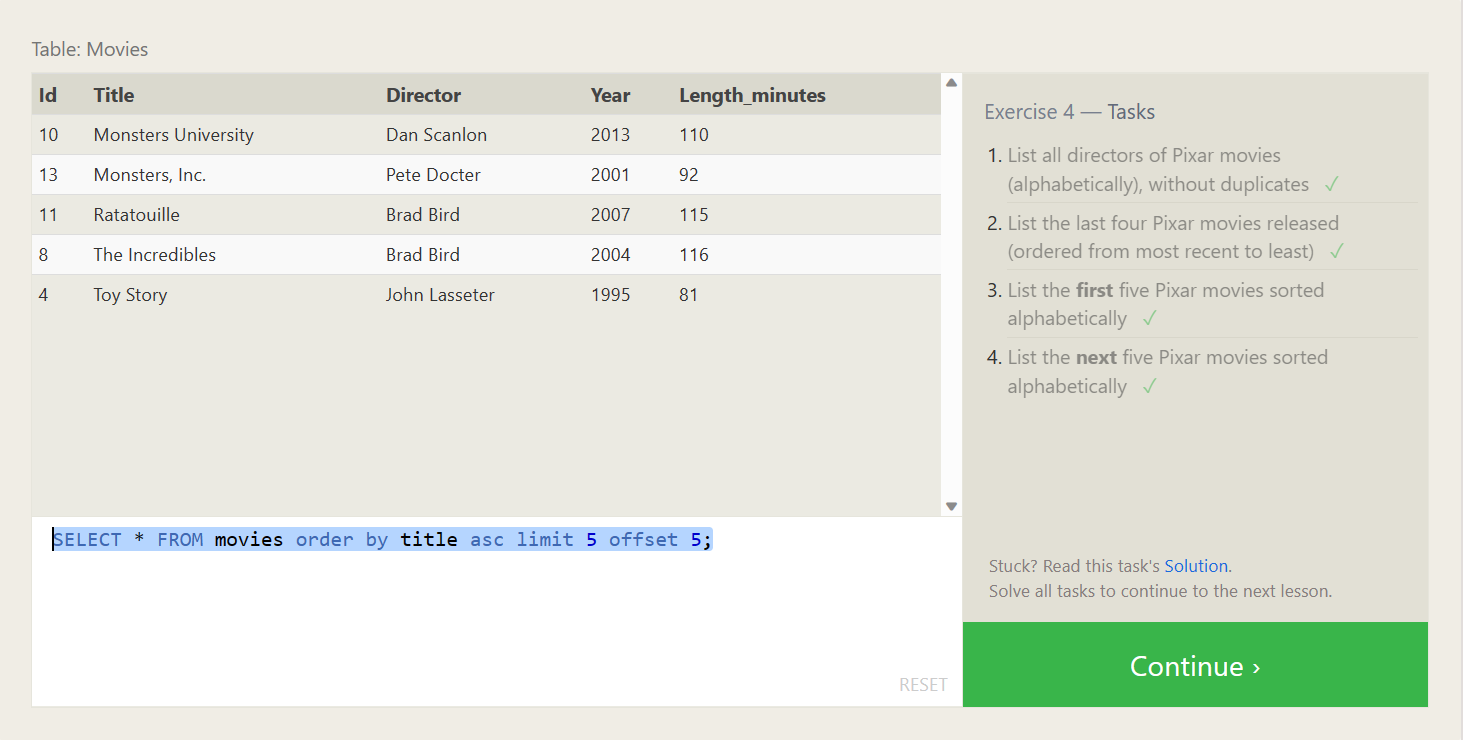
1. SELECT \* FROM movies where id = 6;
2. SELECT \* FROM movies where year between 2000 and 2010;
3. SELECT \* FROM movies where not year between 2000 and 2010;
4. SELECT \* FROM movies limit 5;

# SQL Lesson 3



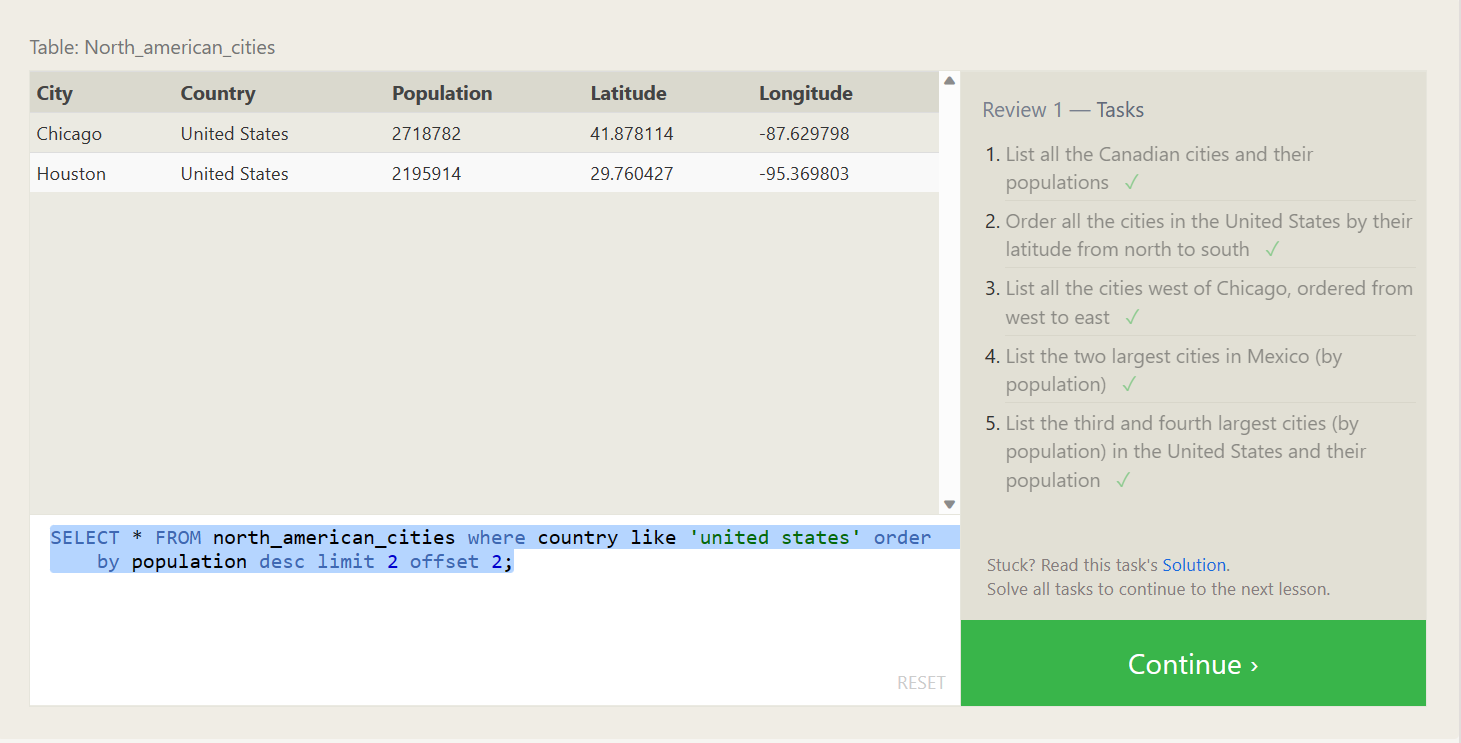
1. SELECT \* FROM movies where title like 'toy story%';
2. SELECT \* FROM movies where director like 'John Lasseter';
3. SELECT \* FROM movies where not director like 'John Lasseter';
4. SELECT \* FROM movies where title like 'WALL-\_';

# SQL Lesson 4



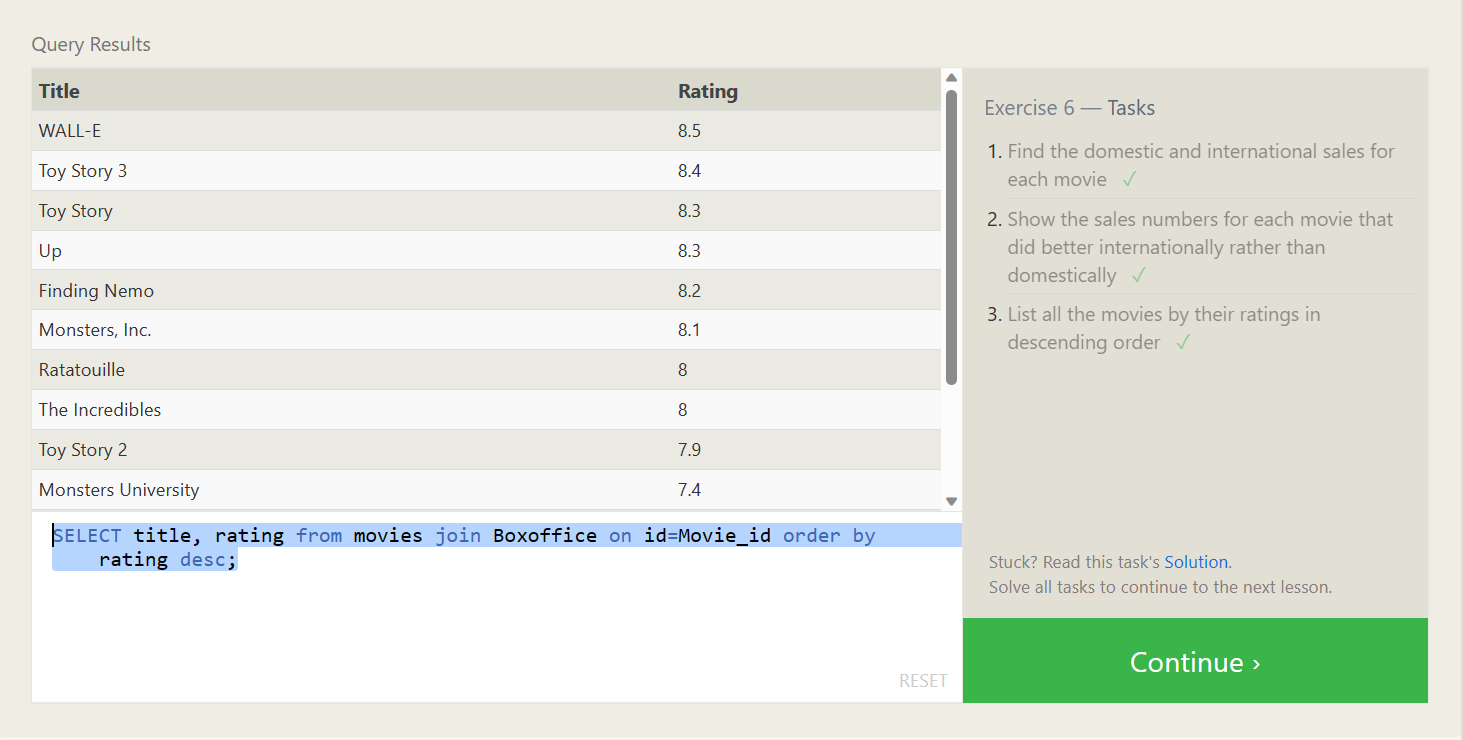
1. SELECT distinct director FROM movies order by director;
2. SELECT \* FROM movies order by year desc limit 4;
3. SELECT \* FROM movies order by title asc limit 5;
4. SELECT \* FROM movies order by title asc limit 5 offset 5;

# SQL Review: Simple Select Queries



1. SELECT \* FROM north\_american\_cities where country like 'canada';
2. SELECT \* FROM north\_american\_cities where country like 'united states' order by latitude desc;
3. SELECT \* FROM North\_american\_cities where Longitude < -87.69 order by Longitude asc;
4. SELECT \* FROM north\_american\_cities where country like 'mexico' order by population desc limit 2;
5. SELECT \* FROM north\_american\_cities where country like 'united states' order by population desc limit 2 offset 2;

# SQL Lesson 6



1. SELECT title, international\_sales, domestic\_sales from movies join

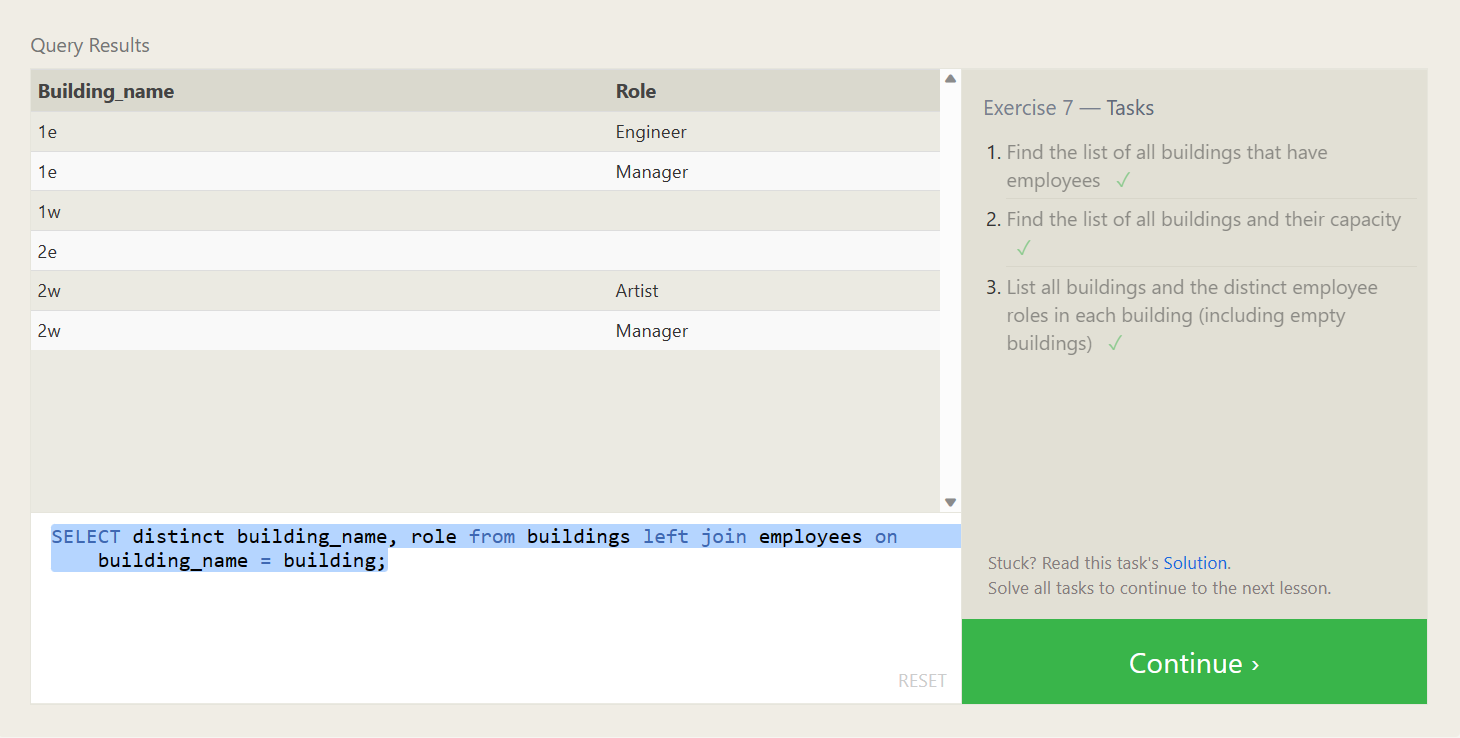
Boxoffice on id=Movie\_id;

2. SELECT title, international\_sales, domestic\_sales from movies join

Boxoffice on id=Movie\_id where international\_sales > domestic\_sales

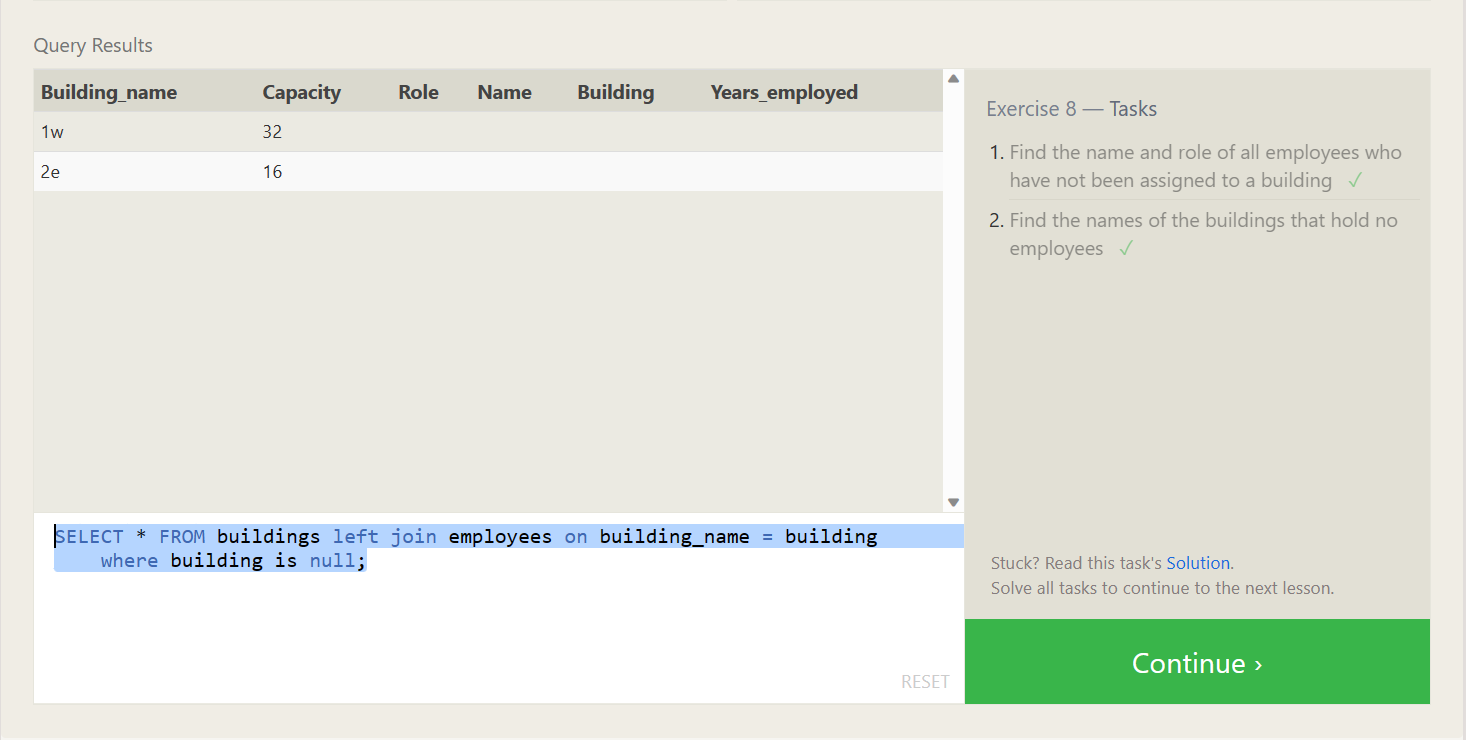
3. SELECT title, rating from movies join Boxoffice on id=Movie\_id order by rating desc;

# SQL Lesson 7



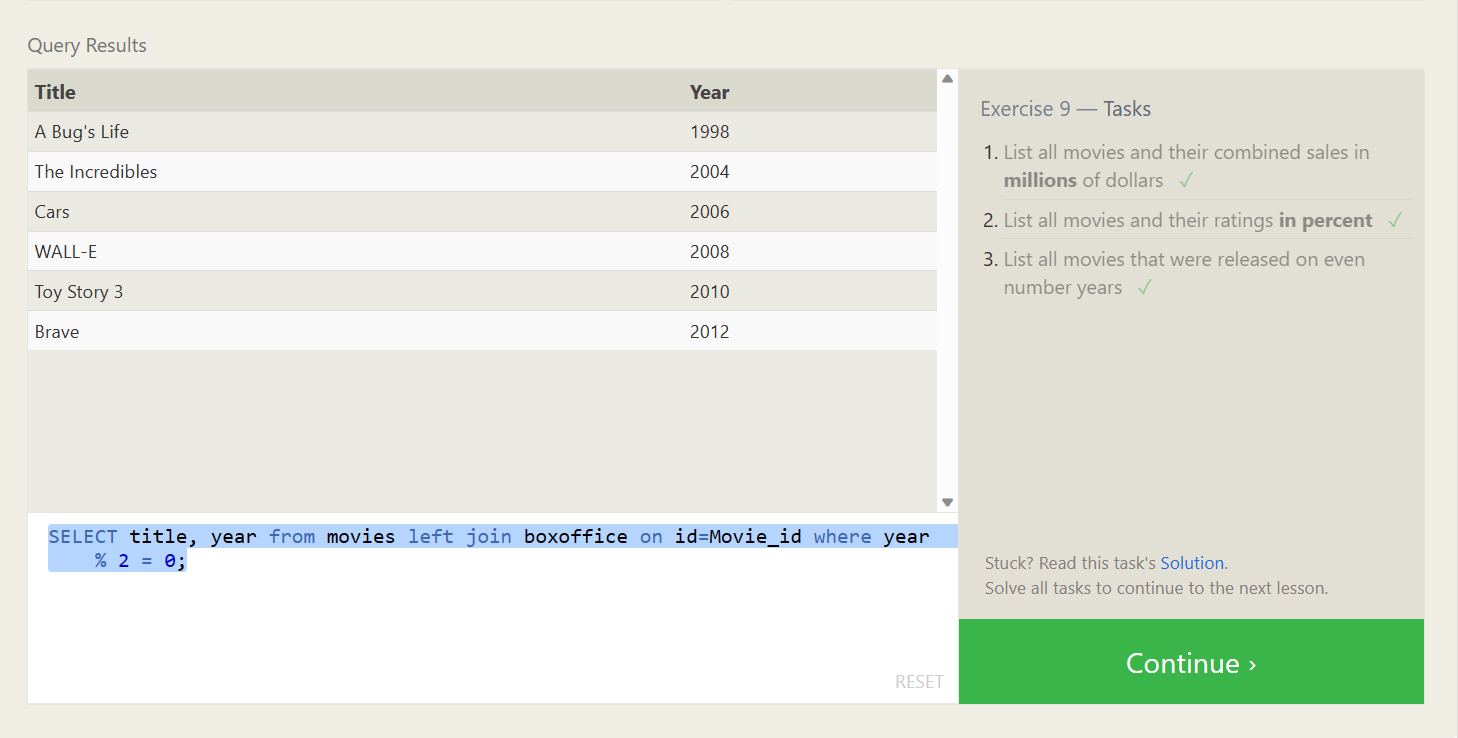
1. SELECT distinct building FROM employees left join buildings on building=building\_name where Years\_employed not null;
2. SELECT \* FROM buildings;
3. SELECT distinct building\_name, role from buildings left join employees on building\_name = building;

# SQL Lesson 8



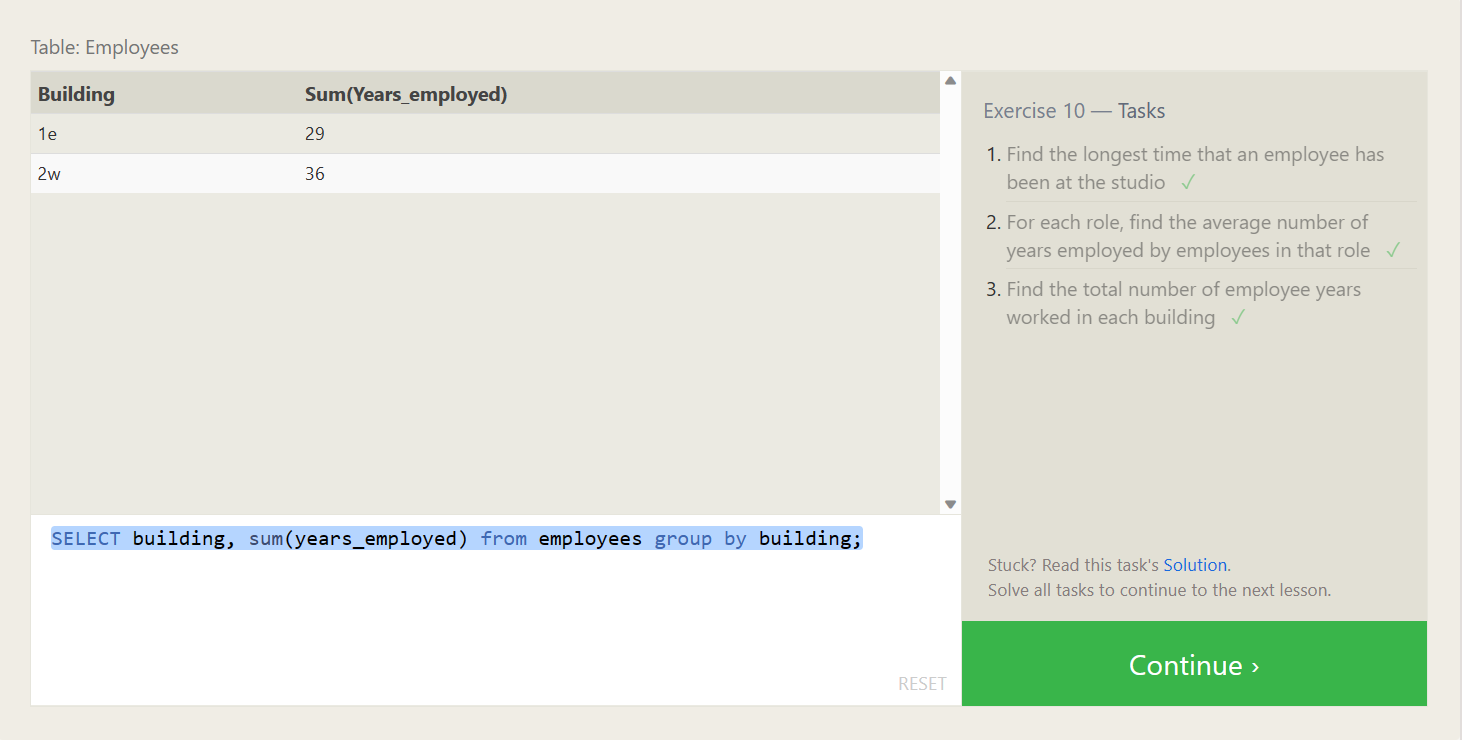
1. SELECT \* FROM employees left join buildings on building\_name = building where building is null;
2. SELECT \* FROM buildings left join employees on building\_name = building where building is null;

# SQL Lesson 9



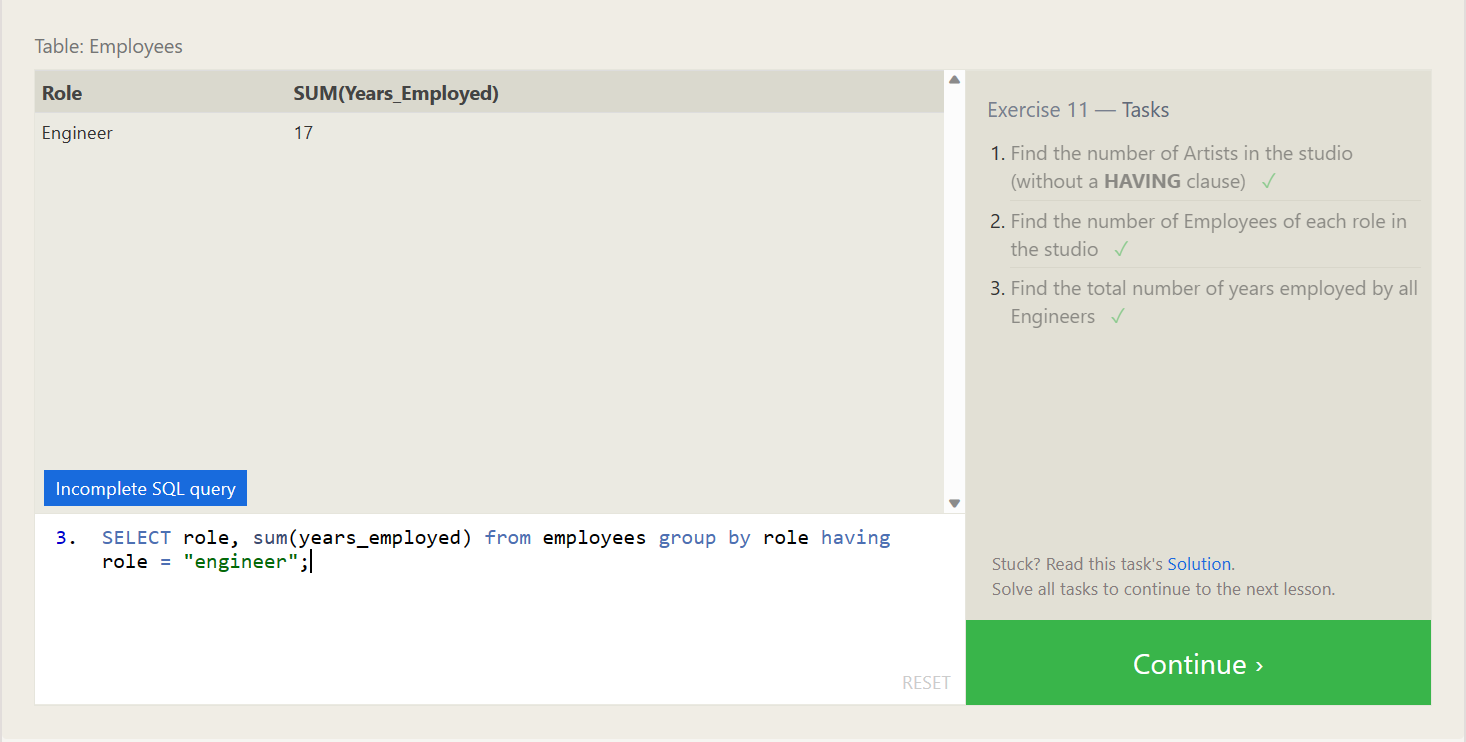
1. SELECT title, (domestic\_sales+international\_sales)/1000000 as total\_sales\_millions from movies left join boxoffice on id=movie\_id;
2. SELECT title, rating\*10 as percent from movies left join boxoffice on Id = movie\_id;
3. SELECT title, year from movies left join boxoffice on id = movie\_id where year % 2 = 0;

# SQL Lesson 10



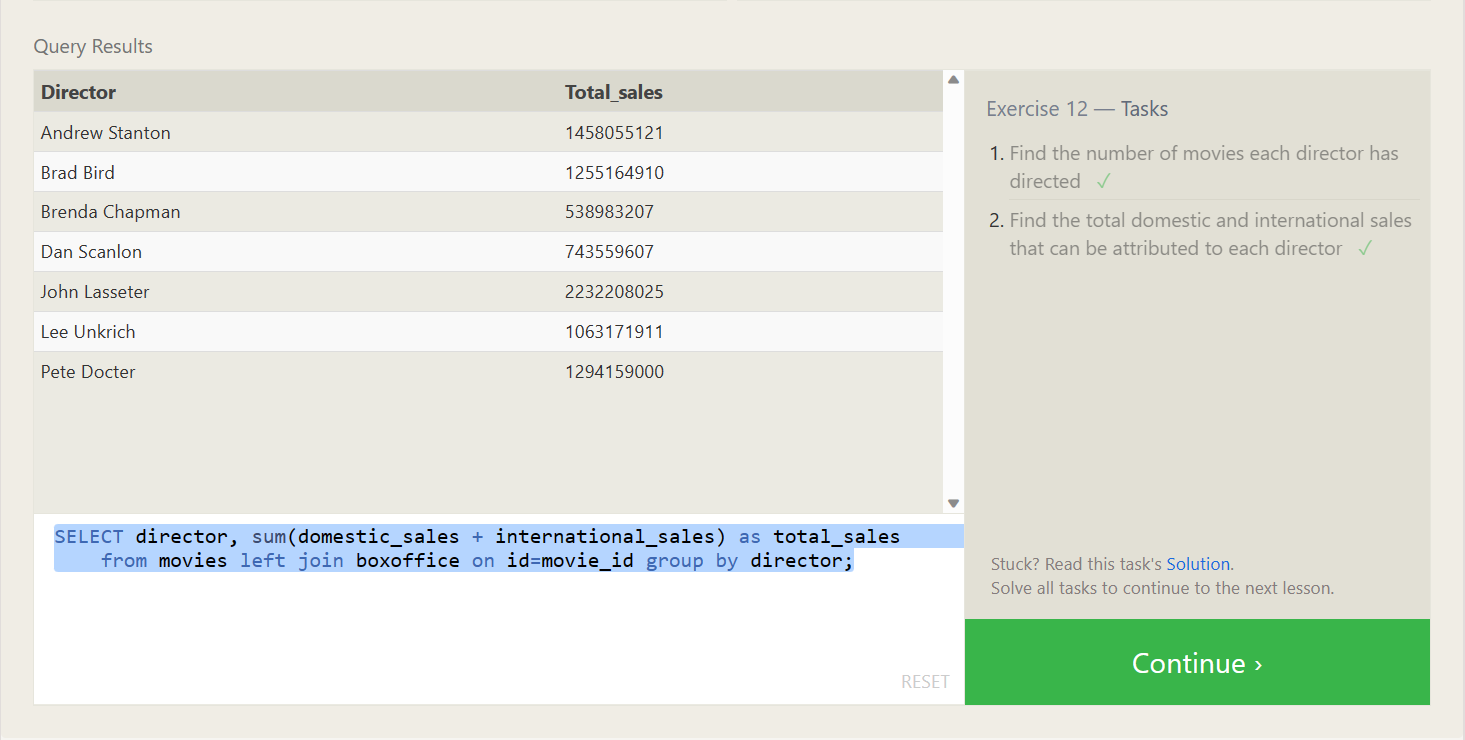
1. SELECT max(years\_employed) from employees;
2. SELECT role, avg(years\_employed) from employees group by role;
3. SELECT building, sum(years\_employed) from employees group by building;

# SQL Lesson 11



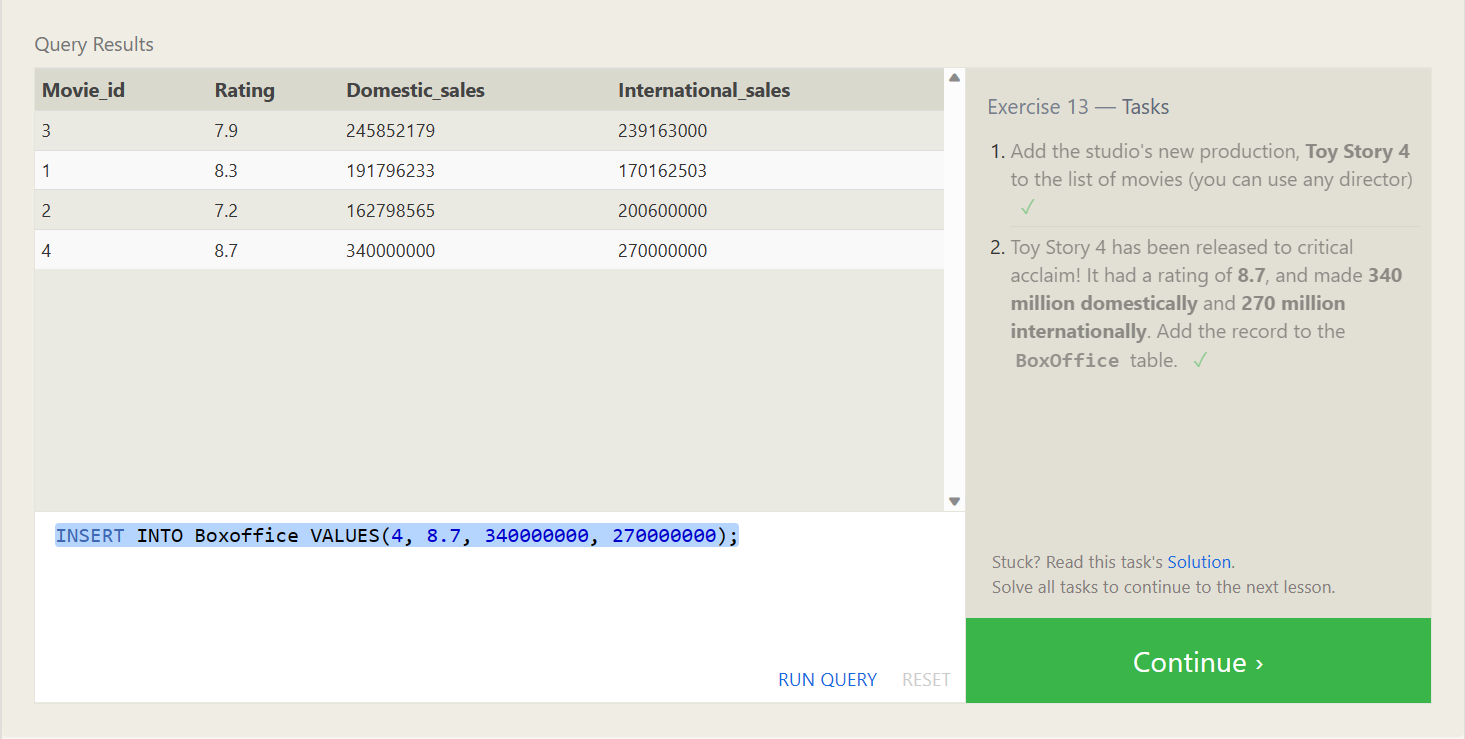
1. SELECT role, count(\*) as number\_of\_artists from employees where role = "artist";
2. SELECT role, count(\*) from employees group by role;
3. SELECT Role, SUM(Years\_Employed) FROM Employees GROUP BY Role HAVING Role = "Engineer";

# SQL Lesson 12



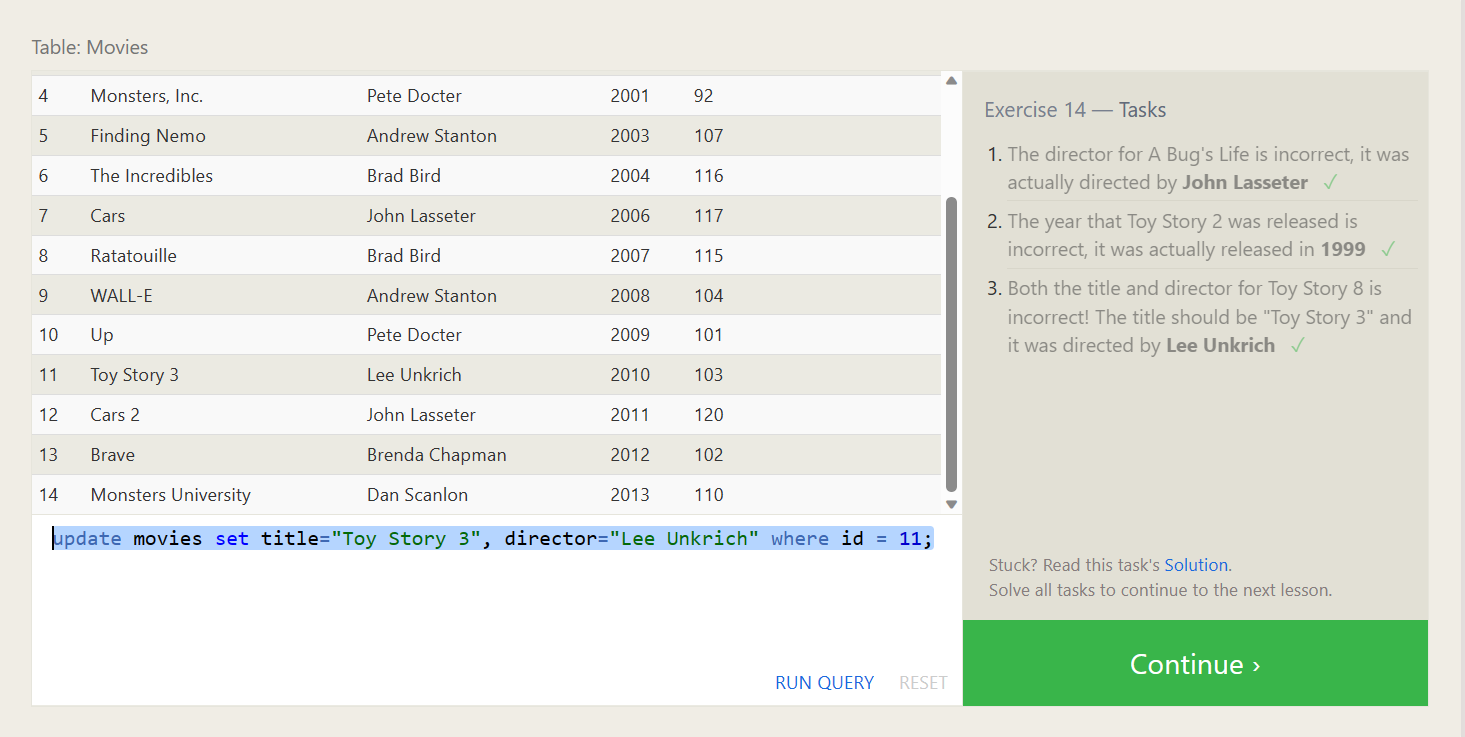
1. SELECT \*, count(title) from movies group by directors;
2. SELECT director, sum(domestic\_sales + international\_sales) as total\_sales from movies left join boxoffice on id=movie\_id group by director;

# SQL Lesson 13



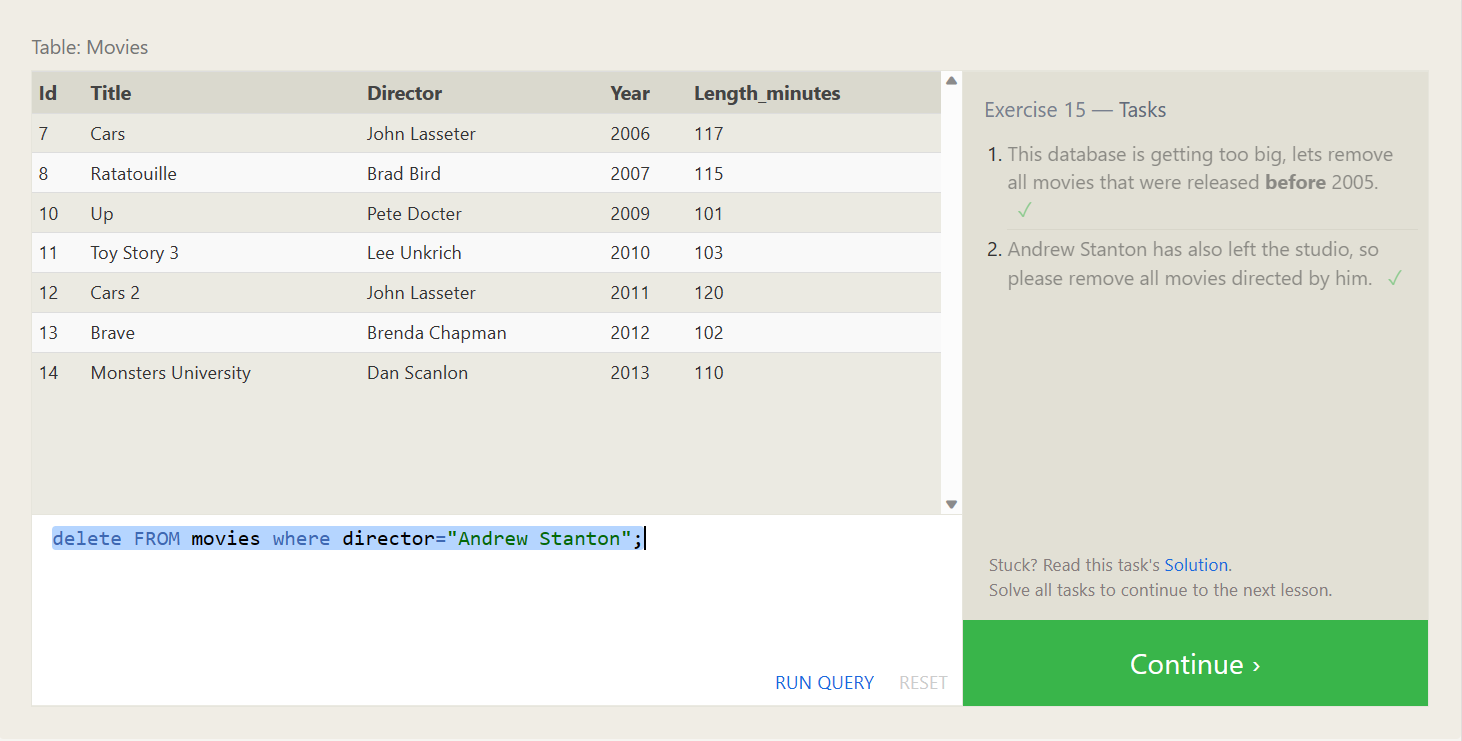
1. INSERT INTO Movies VALUES(4, "Toy Story 4", "John Lasseter", 2017, 123);
2. INSERT INTO Boxoffice VALUES(4, 8.7, 340000000, 270000000);

# SQL Lesson 14



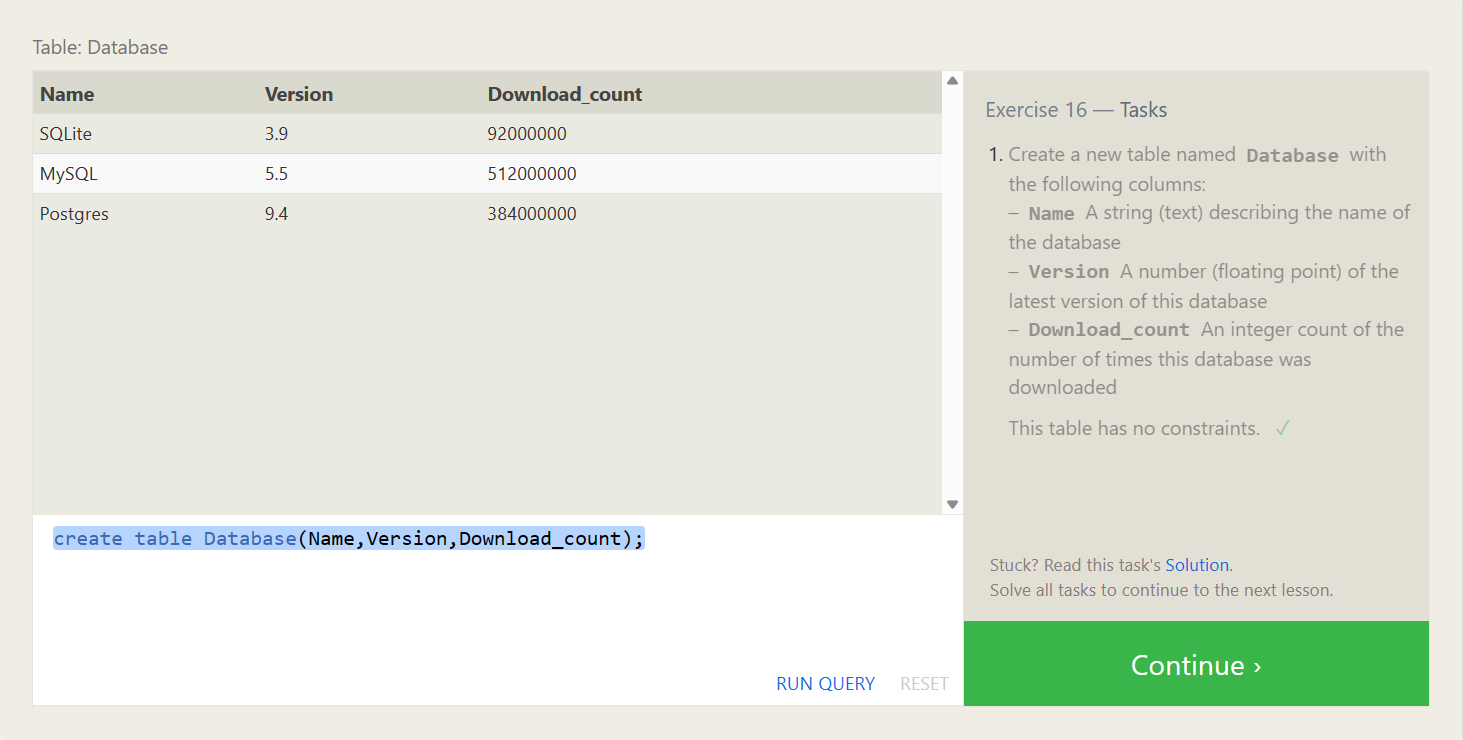
1. update movies set director="John Lasseter" where id = 2;
2. update movies set year=1999 where id = 3;
3. update movies set title="Toy Story 3", director="Lee Unkrich" where id = 11;

# SQL Lesson 15



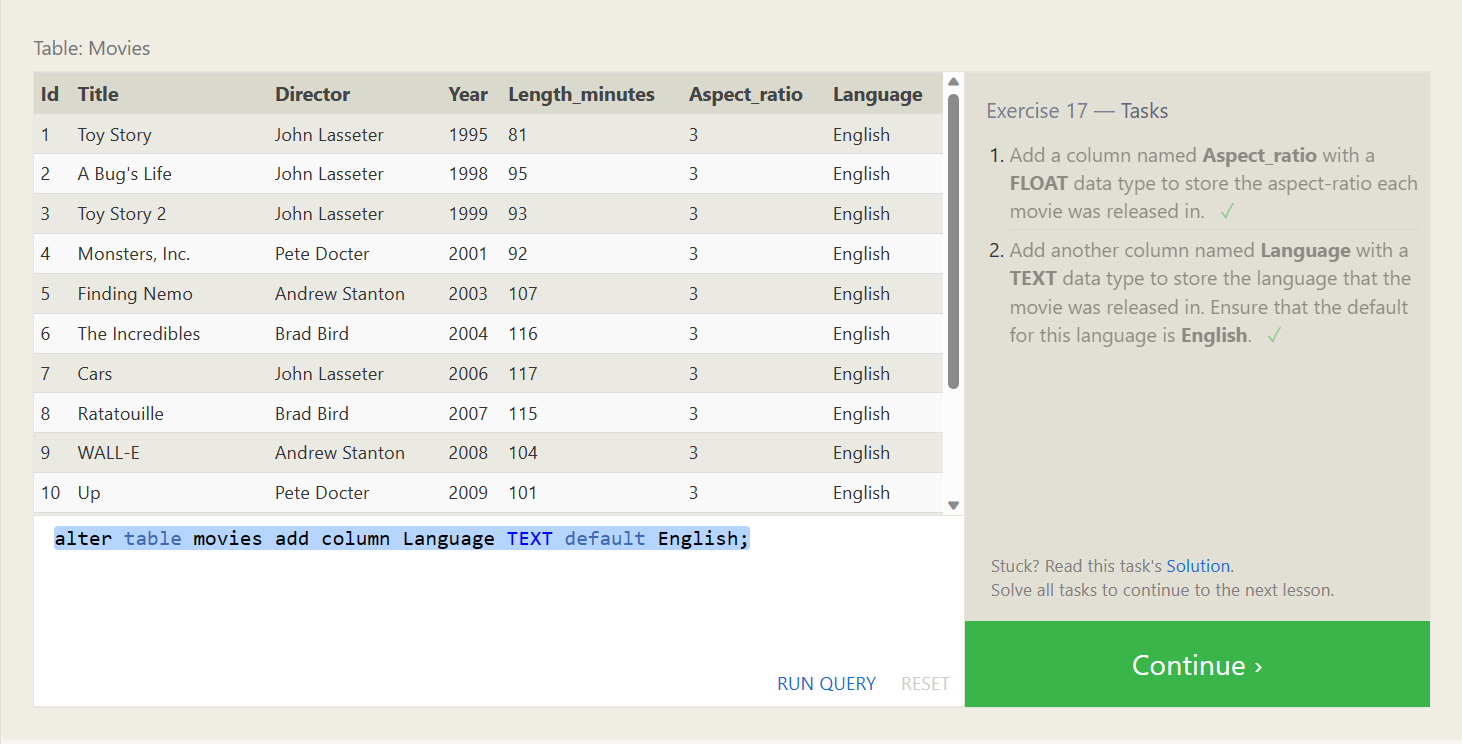
1. delete FROM movies where year < 2005;
2. delete FROM movies where director="Andrew Stanton";

# SQL Lesson 16



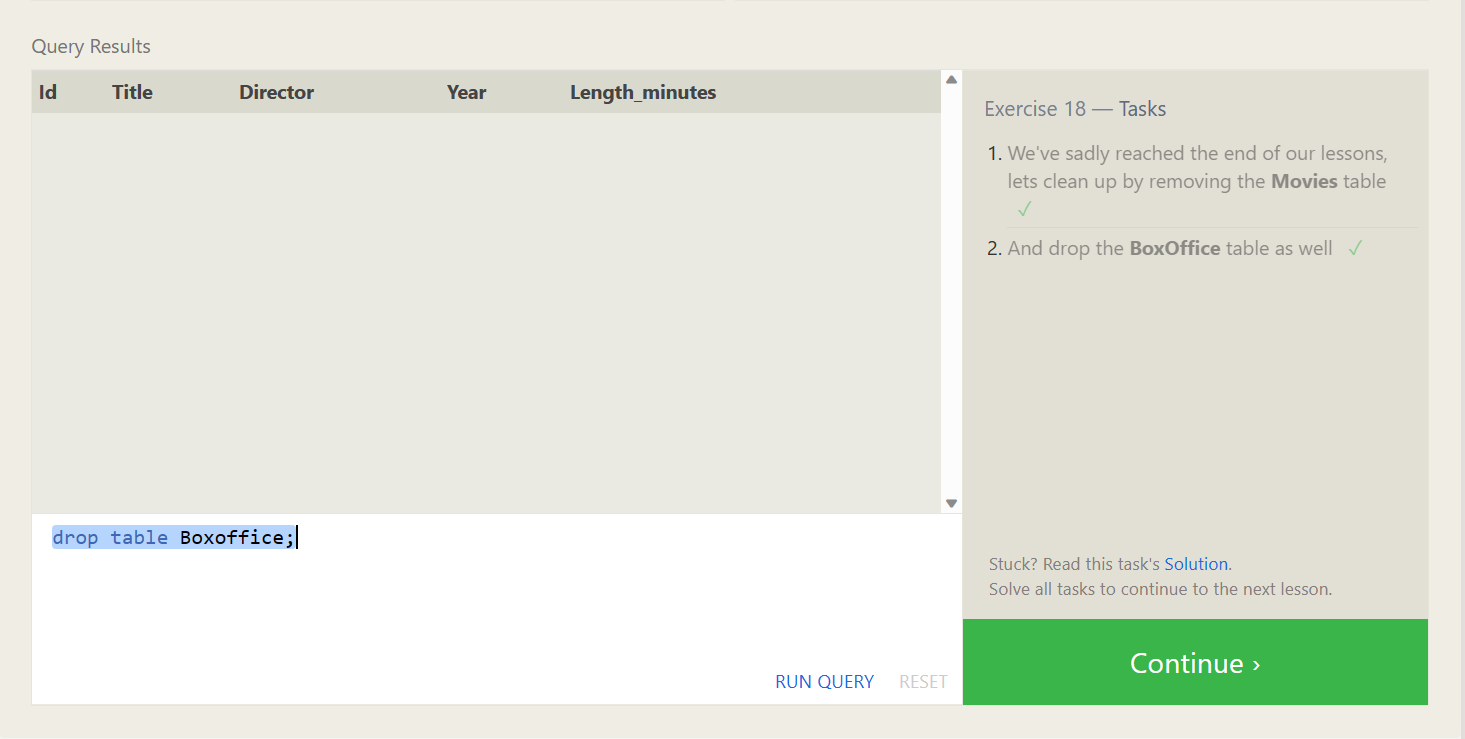
1. create table Database(Name,Version,Download\_count);

# SQL Lesson 17



1. alter table movies add column Aspect\_ratio FLOAT default 3;
2. alter table movies add column Language TEXT default English;

# SQL Lesson 18



1. drop table movies;
2. drop table Boxoffice;