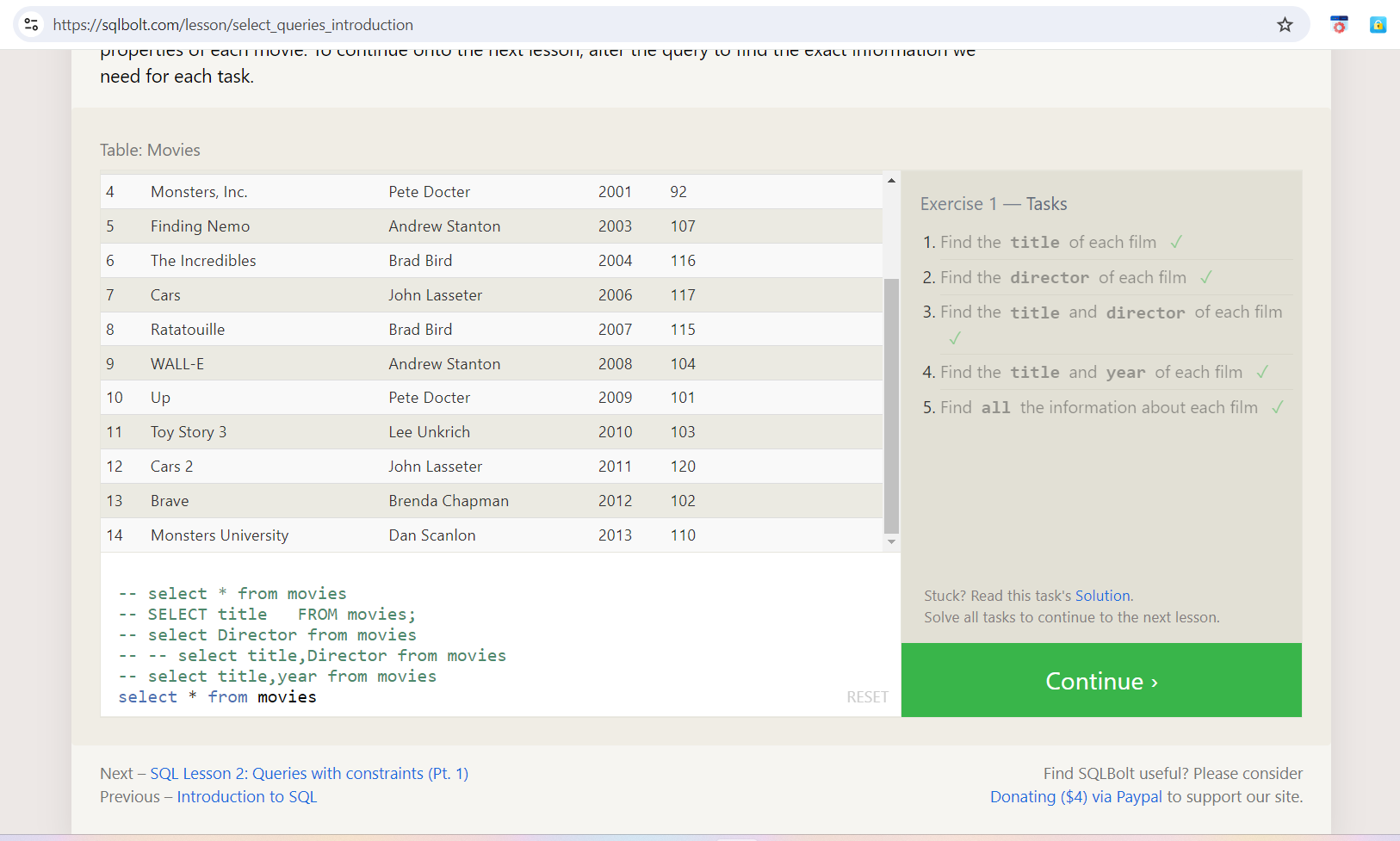
1. 1st Exercise



Answer:

i) SELECT title FROM movies;

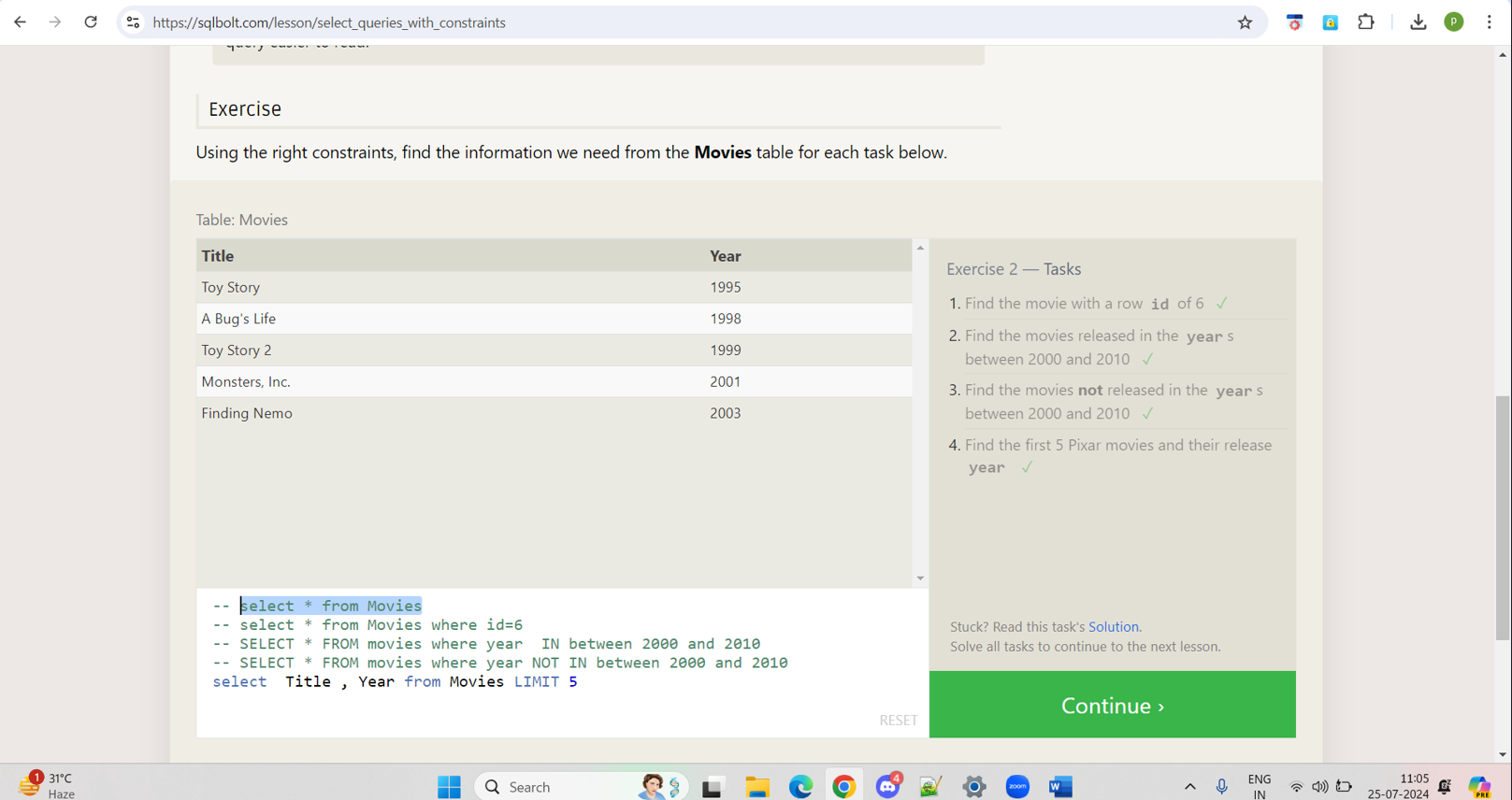
ii) select Director from movies

iii) select title, Director from movies

iv) select title, year from movies

v) select \* from movies

2) 2nd Exercise:



b) Answers:

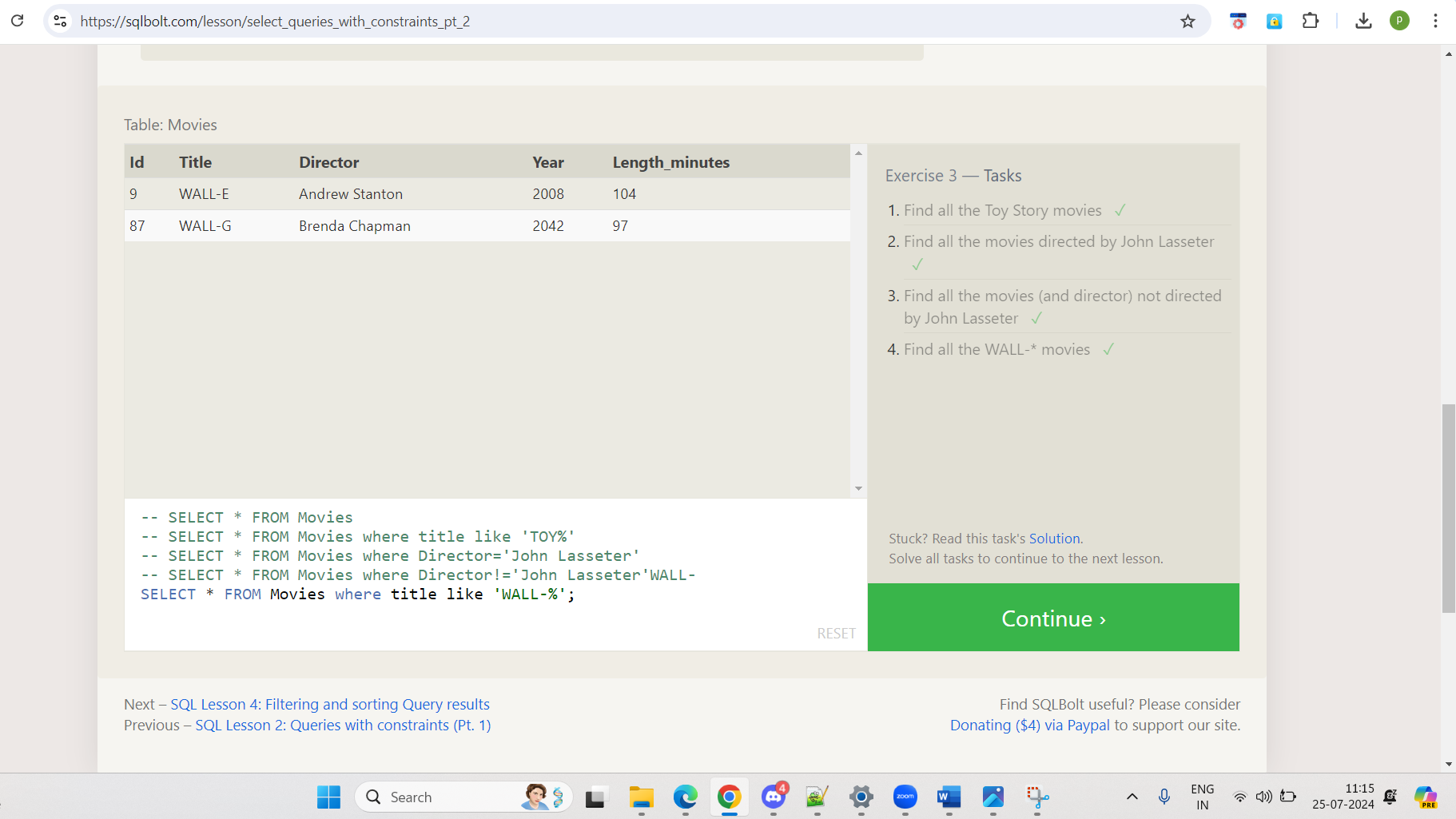
i) select \* from Movies where id=6

ii) SELECT \* FROM movies where year IN between 2000 and 2010

iii) SELECT \* FROM movies where year NOT IN between 2000 and 2010

iv) select Title, Year from Movies LIMIT 5

3) 3rd Exercise:



b) Answers:

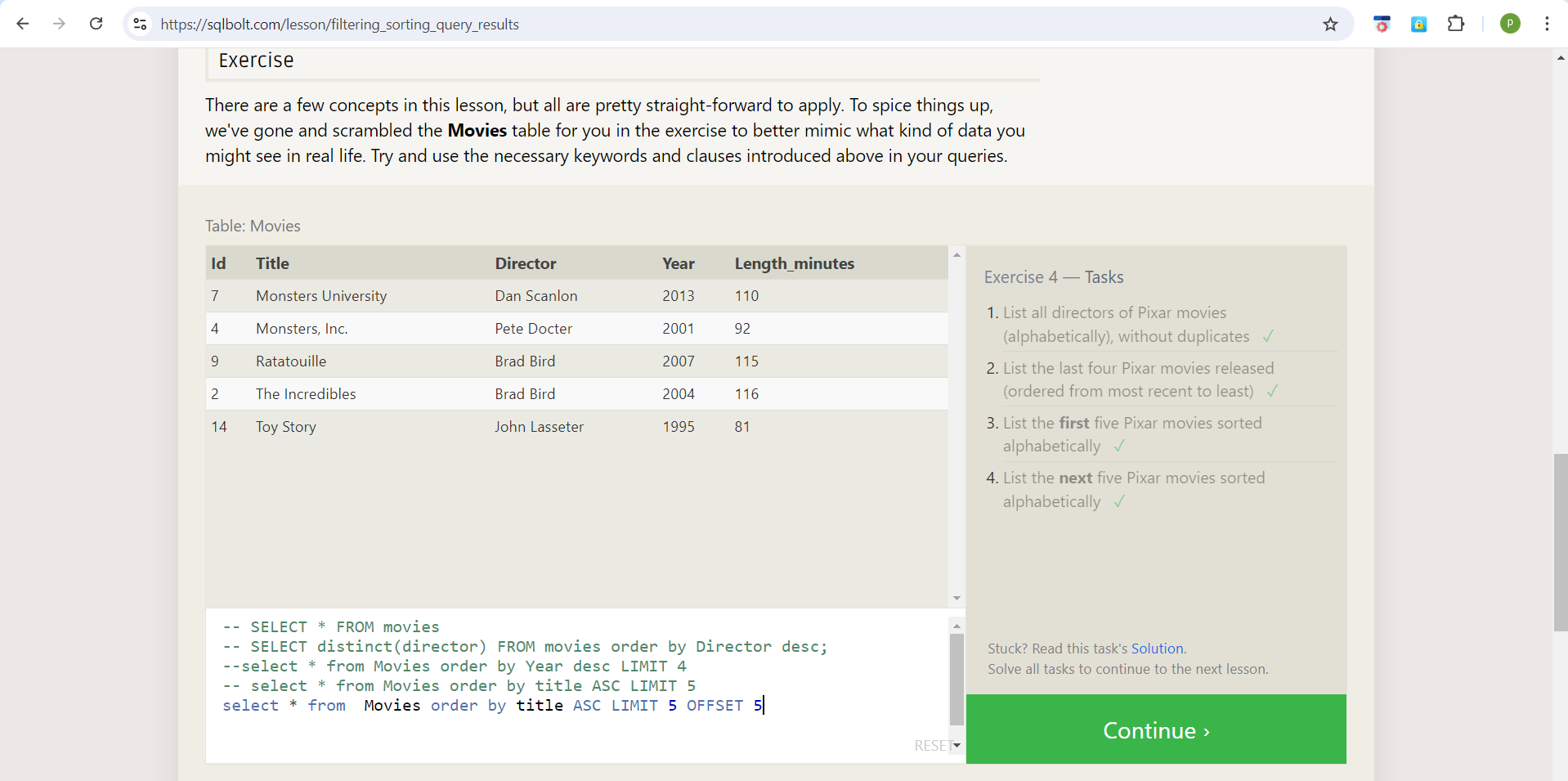
i) SELECT \* FROM Movies where title like 'TOY%'

ii) SELECT \* FROM Movies where Director='John Lasseter'

iii) SELECT \* FROM Movies where Director !='John Lasseter'

iv) SELECT \* FROM Movies where title like 'WALL-%'

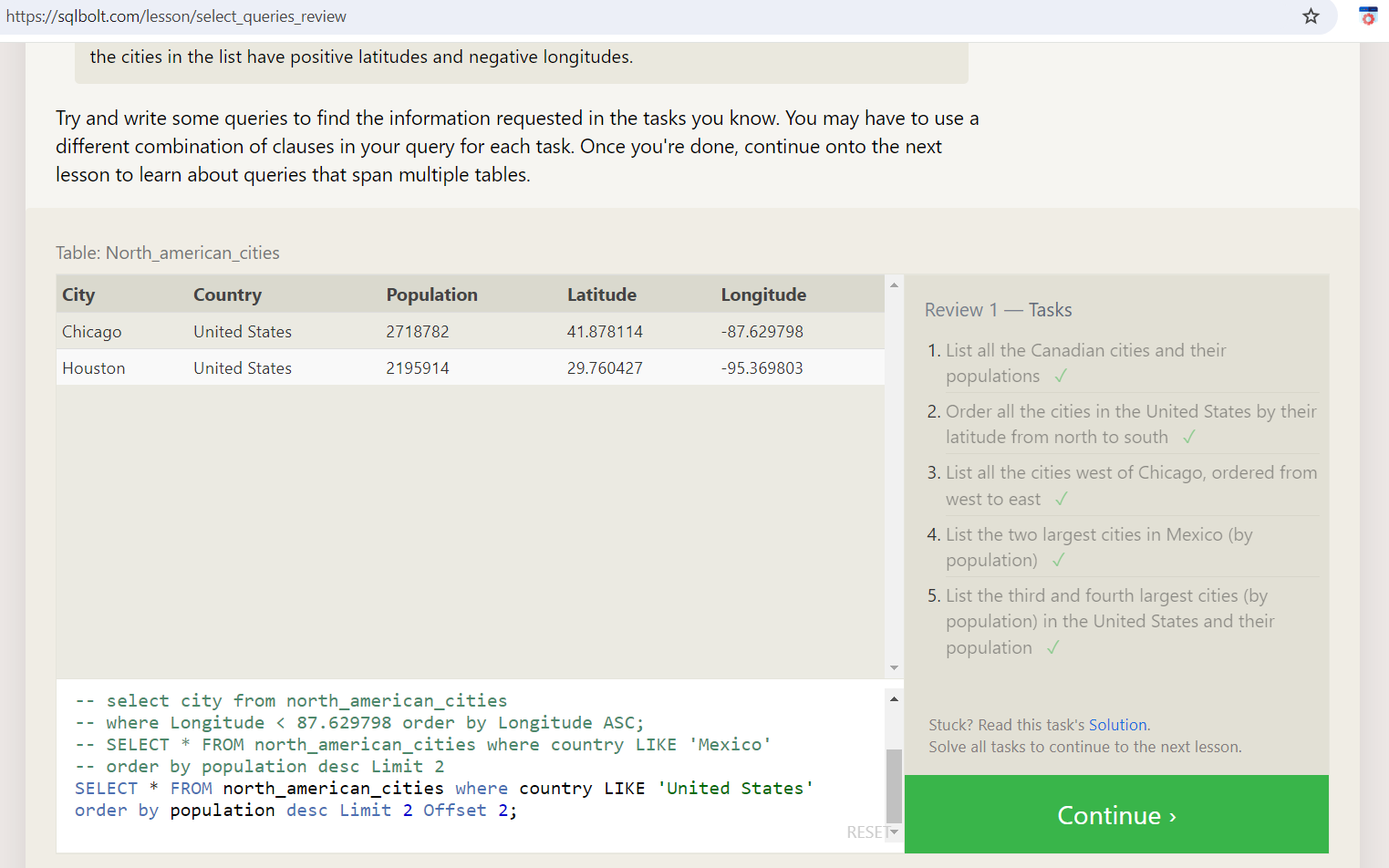
4) 4th Exercise:



b) Answers:

1. SELECT distinct(director) FROM movies order by Director desc;
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

5)1st Review - Tasks



b) Answer:

1)SELECT city, population FROM north\_american\_cities where Country='Canada'

2)SELECT city FROM north\_american\_cities where Country='United States' order by Latitude desc

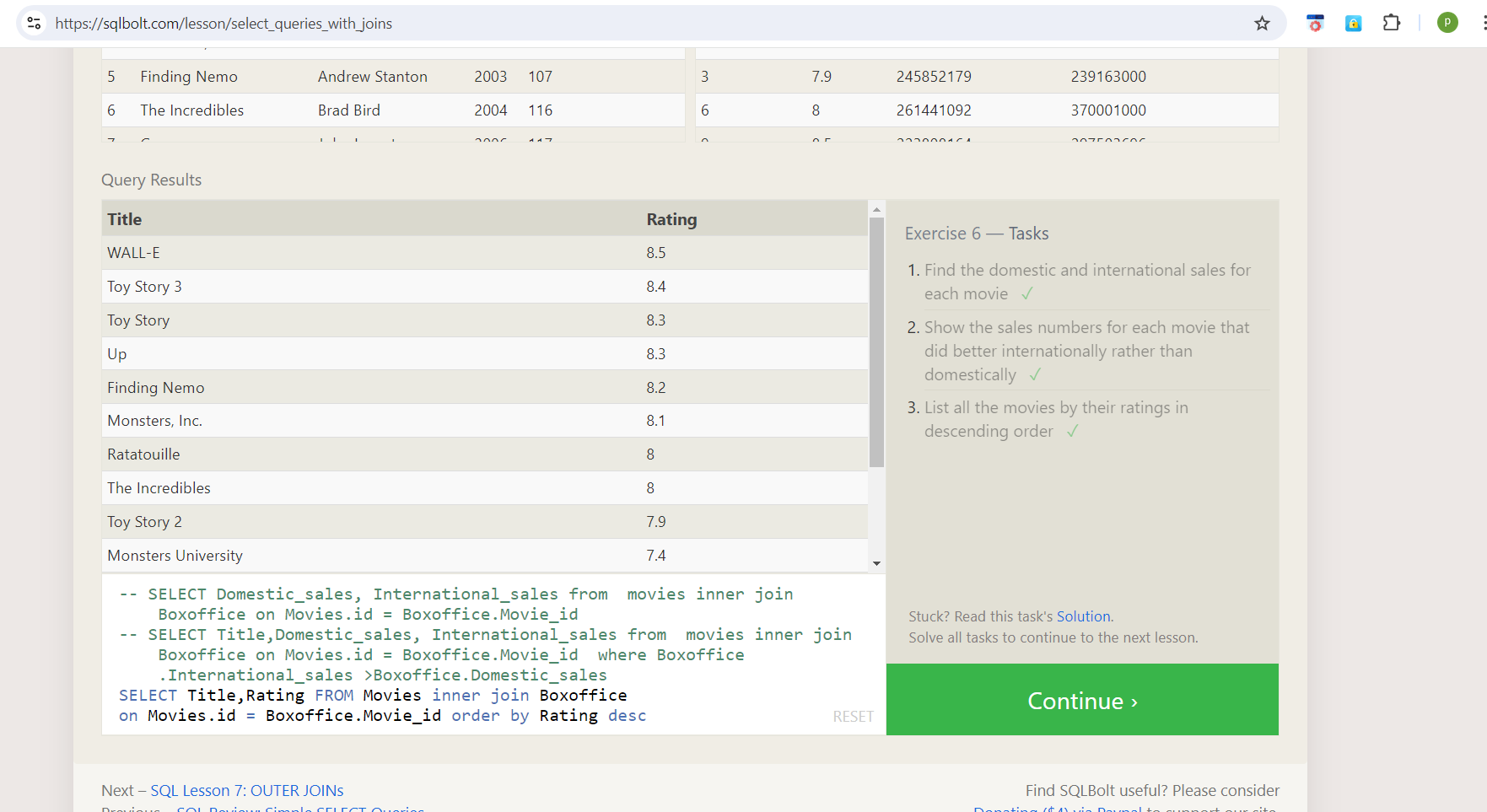
3) select City, Longitude

from north\_american\_cities where Longitude < -87.629798 order by Longitude ASC;

4)select city, population from north\_american\_cities where Country like 'Mexico' order by Population desc LIMIT 2;

5) select city, population from north\_american\_cities where Country like 'United States' order by Population desc LIMIT 2 OFFSET 2;

6) 6th Exercise:



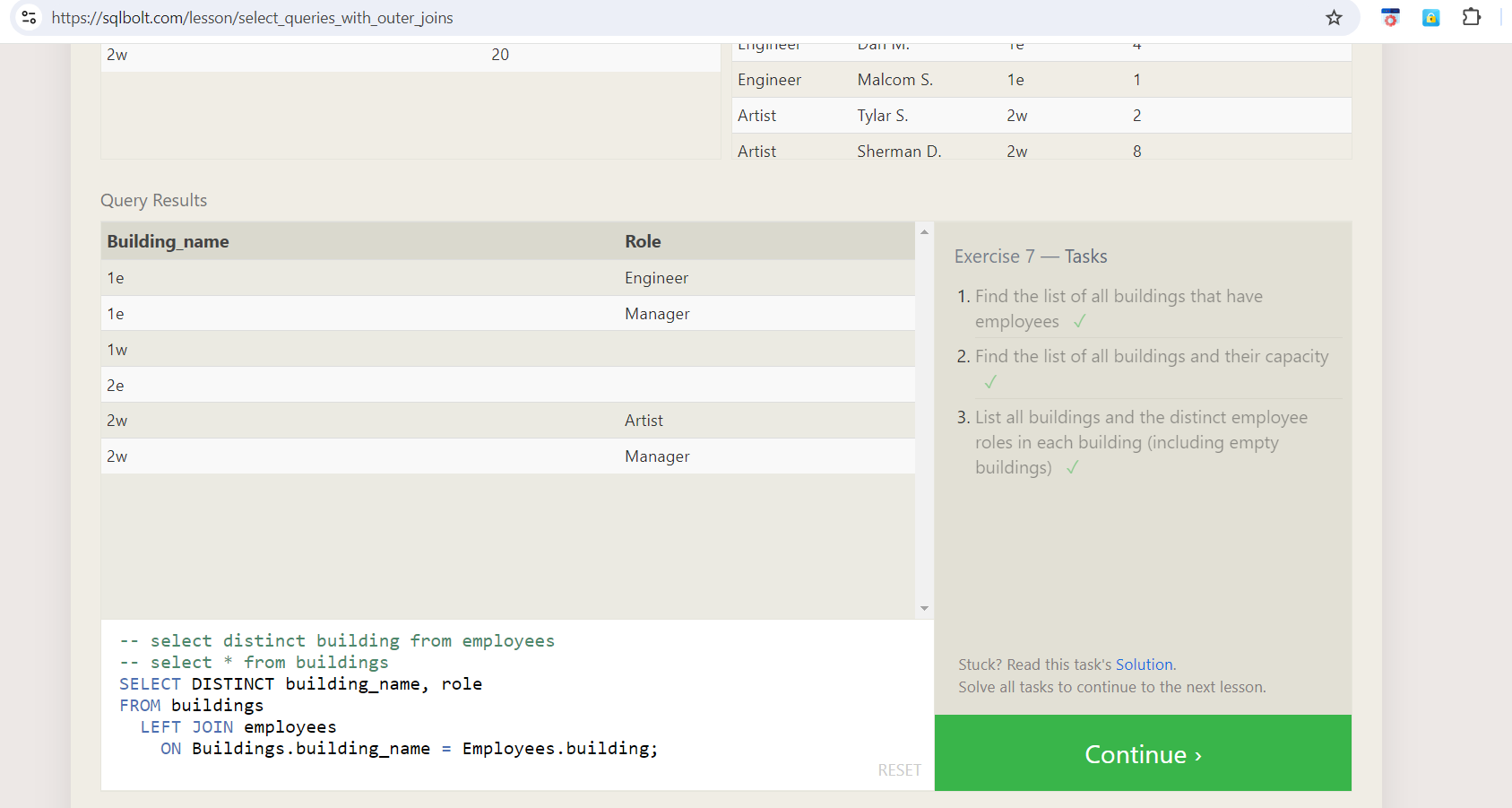
b) Answer:

i) SELECT Domestic\_sales, International\_sales from movies inner join BoxOffice on Movies.id = BoxOffice.Movie\_id

ii) SELECT Title, Domestic\_sales, International\_sales from movies inner join BoxOffice on Movies.id = BoxOffice.Movie\_id where BoxOffice.International\_sales > BoxOffice.Domestic\_sales

iii) SELECT Title, Rating FROM Movies inner join BoxOffice on Movies.id = BoxOffice.Movie\_id order by Rating desc

7) 7th Exercise :



b) Answer:

i) select distinct building from employees

ii) select \* from buildings

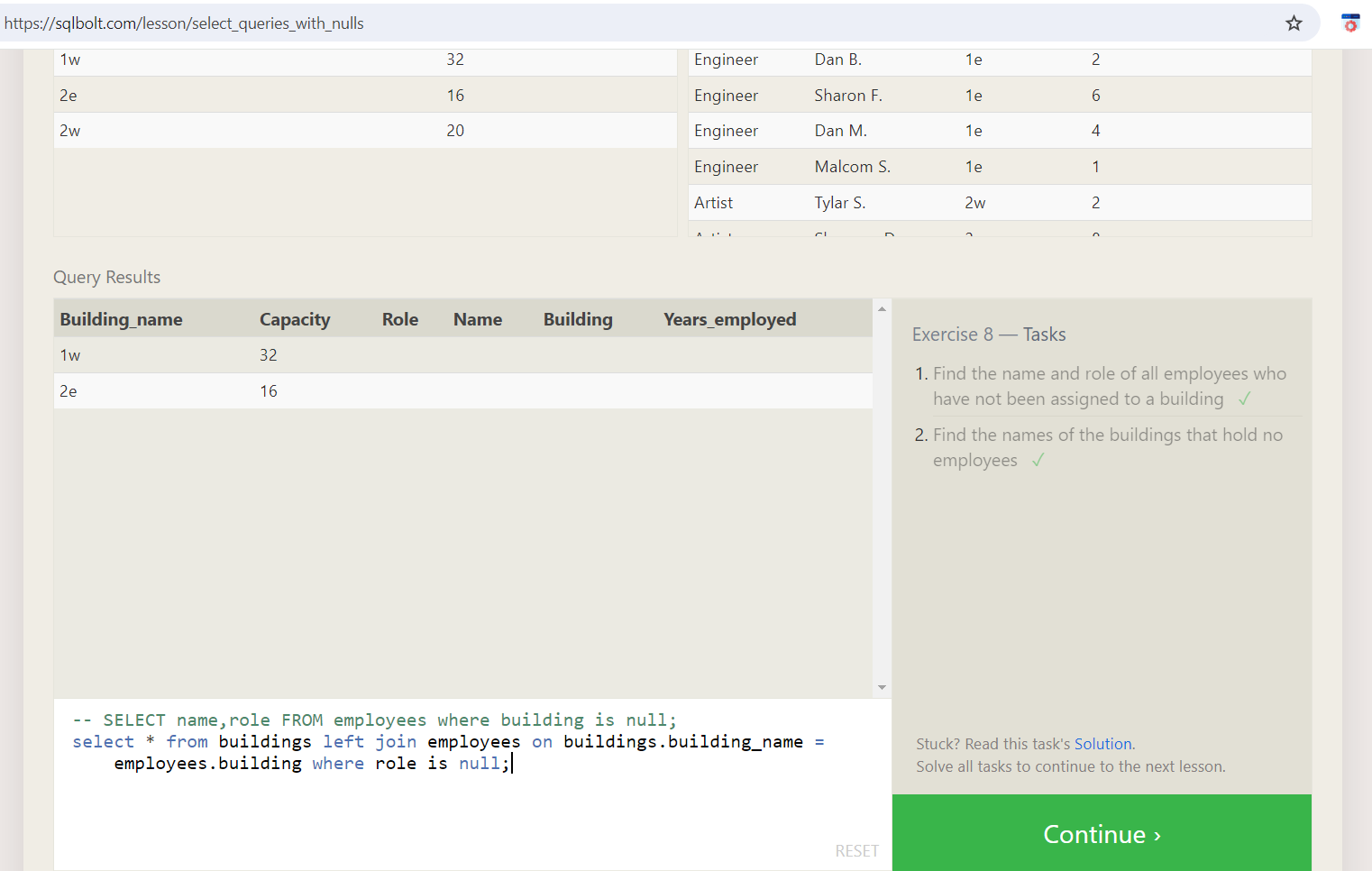
iii) SELECT DISTINCT building\_name, role

FROM buildings

LEFT JOIN employees

ON Buildings.building\_name = Employees.building;

8) 8th Exercise:

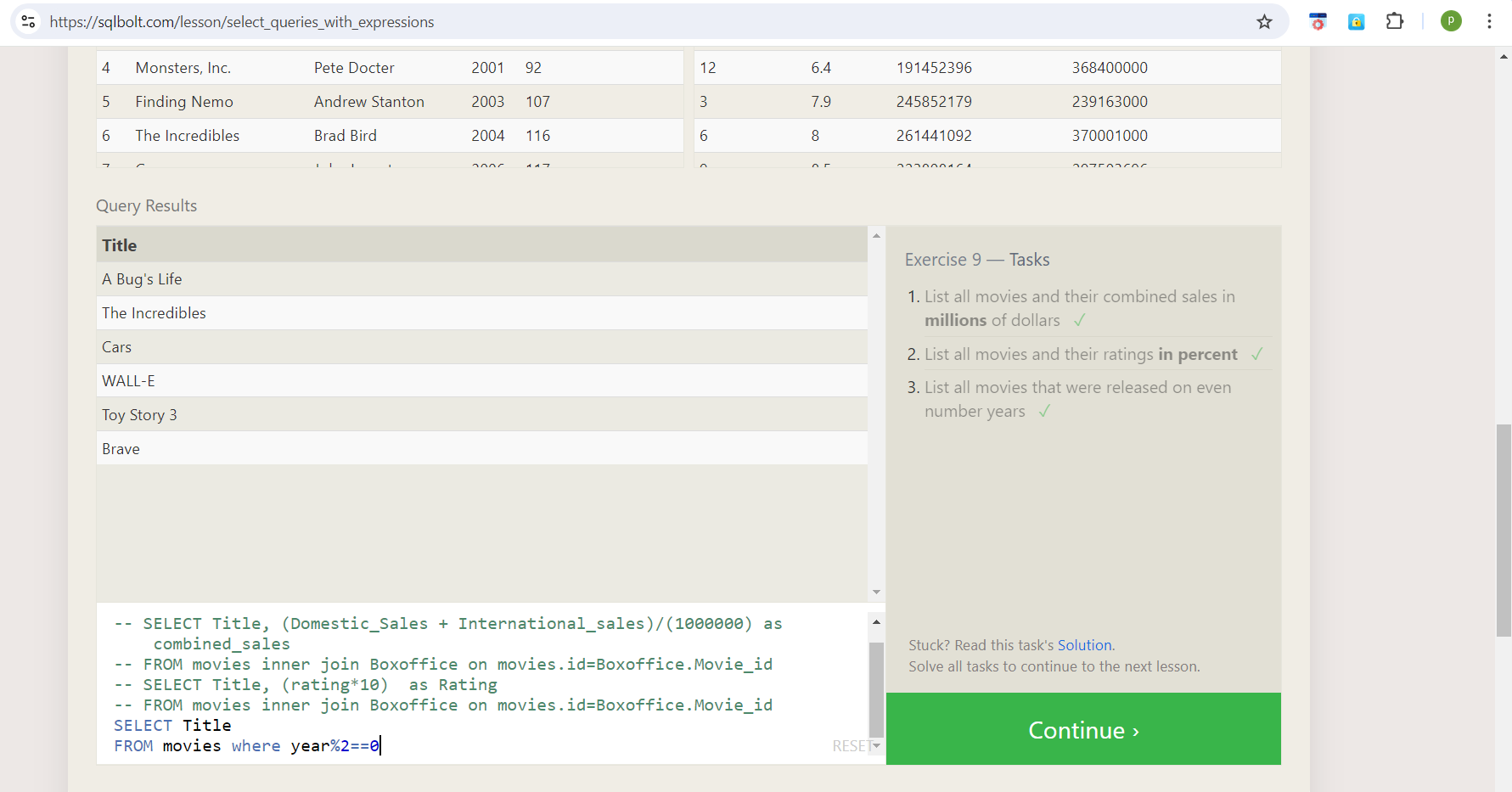


b) Answer:

i) SELECT name, role FROM employees where building is null;

ii) select \* from buildings left join employees on buildings.building\_name = employees.building where role is null;

9) 9th Exercise



b) Answers:

1) SELECT Title, (Domestic\_Sales + International\_sales)/(1000000) as combined\_sales

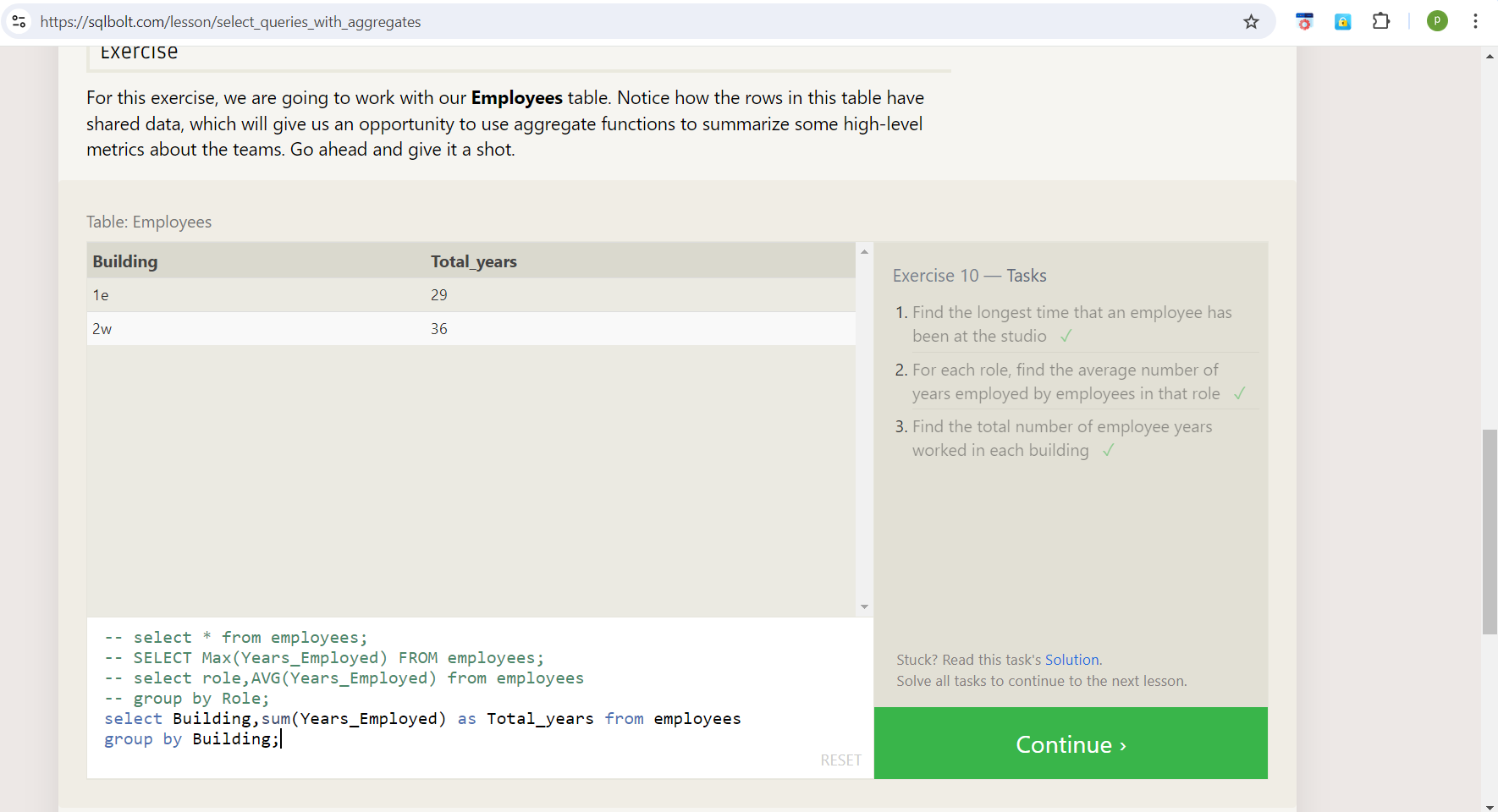
FROM movies inner join Boxoffice on movies.id=Boxoffice.Movie\_id

2) SELECT Title, (rating\*10) as Rating

FROM movies inner join Boxoffice on movies.id=Boxoffice.Movie\_id

3) SELECT Title FROM movies where year%2==0

10) 10th Exercise



b) Answer:

1) SELECT Max(Years\_Employed) FROM employees;

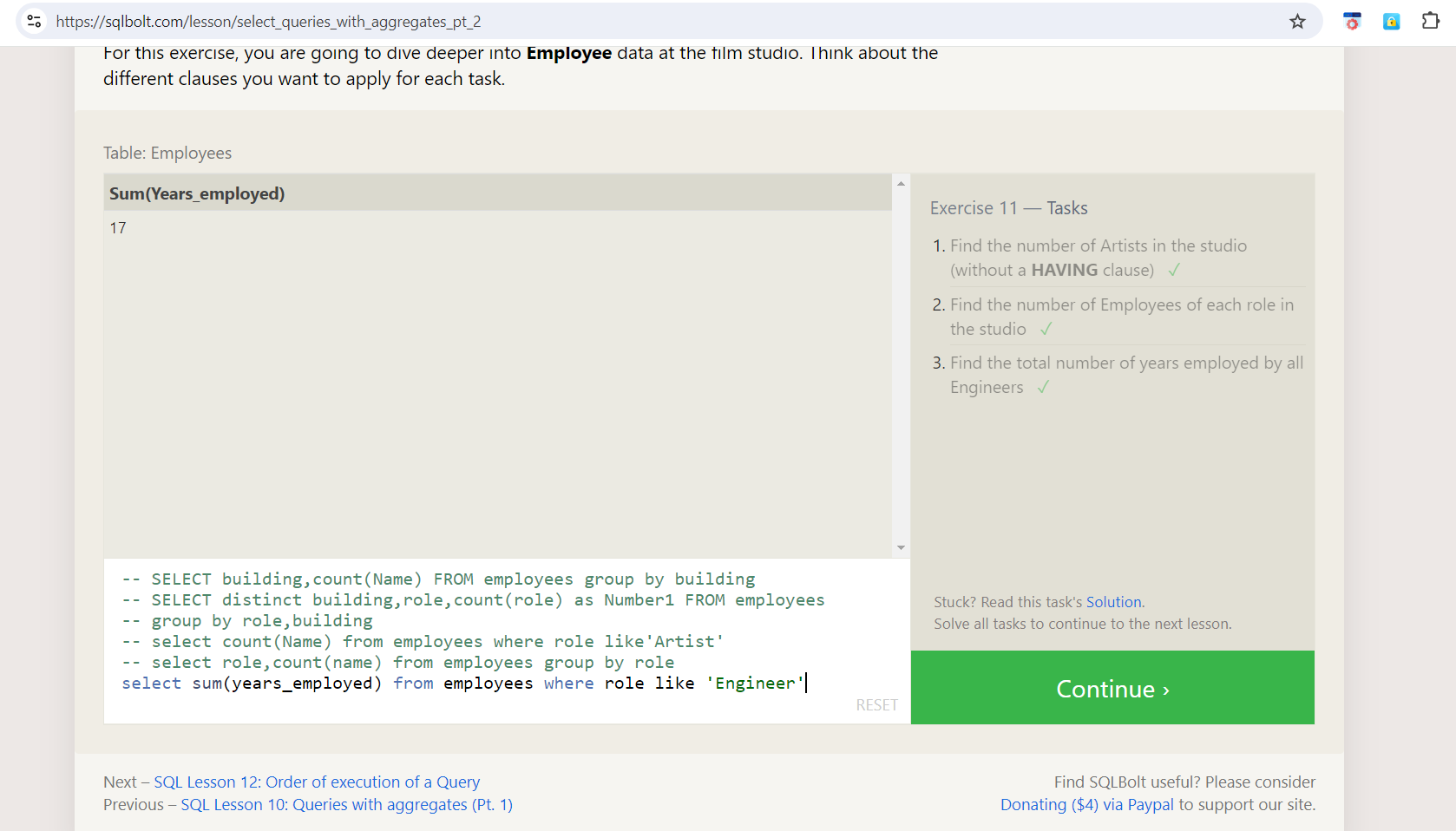
2) select role,AVG(Years\_Employed) from employees

group by Role;

3) select Building,sum(Years\_Employed) as Total\_years from employees

group by Building;

11) 11th Exercise



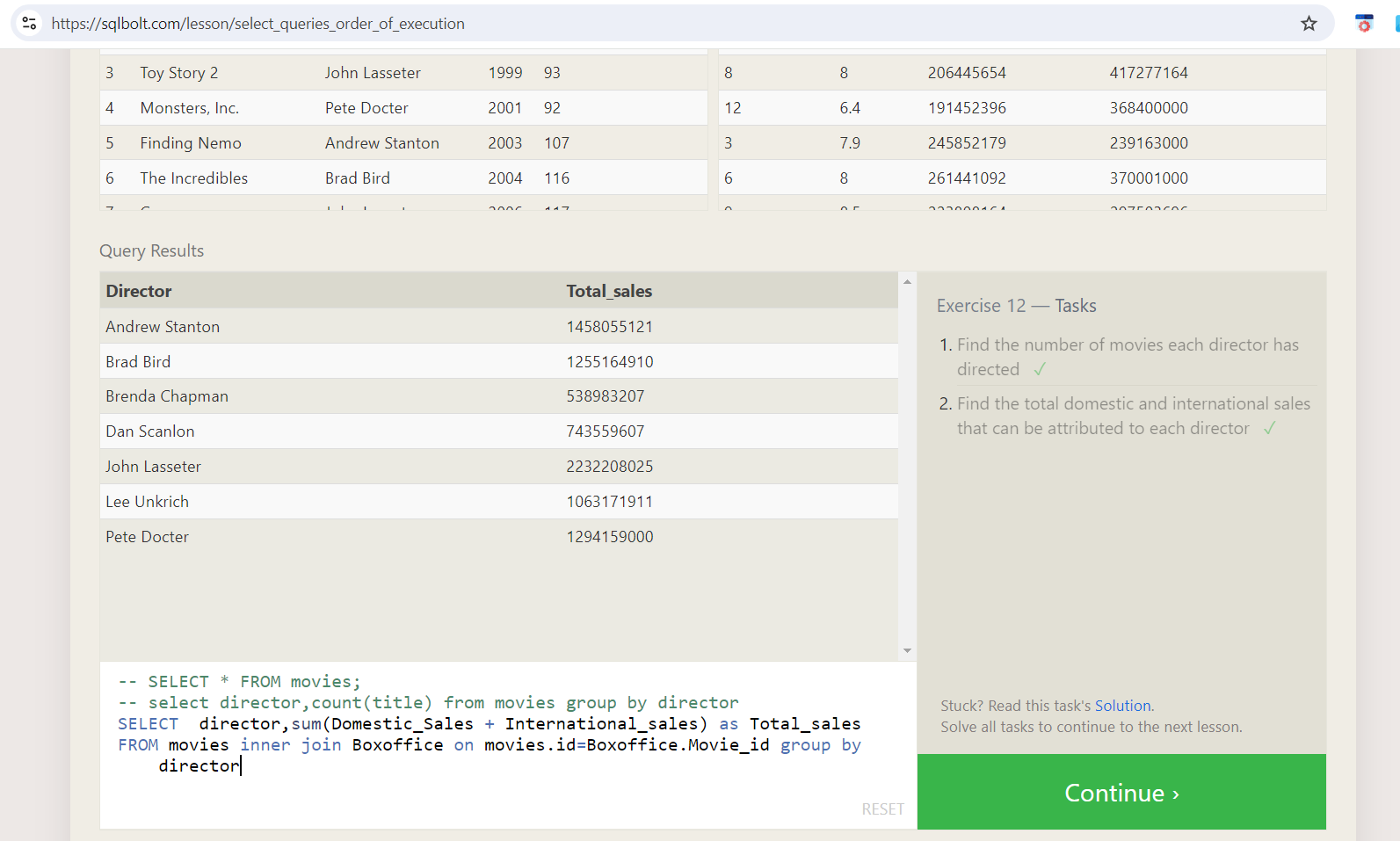
b) Answers:

1) select count(Name) from employees where role like 'Artist'

2) select role,count(name) from employees group by role

3) select sum(years\_employed) from employees where role like 'Engineer'

12) 12Th Exercise:



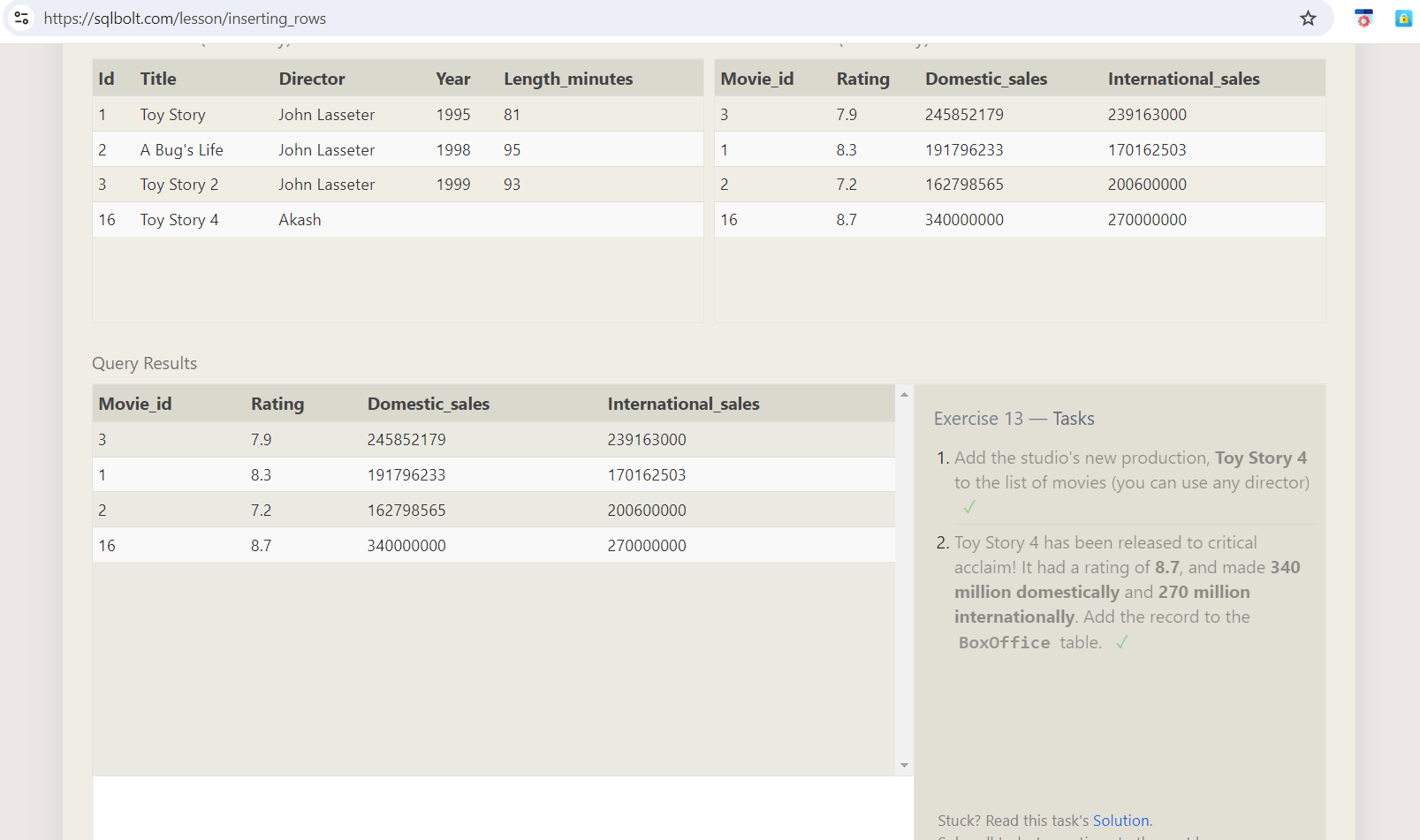
b) Answer:

1) select director,count(title) from movies group by director

2)SELECT director,sum(Domestic\_Sales + International\_sales) as Total\_sales

FROM movies inner join Boxoffice on movies.id=Boxoffice.Movie\_id group by director

13) Exercise 13:



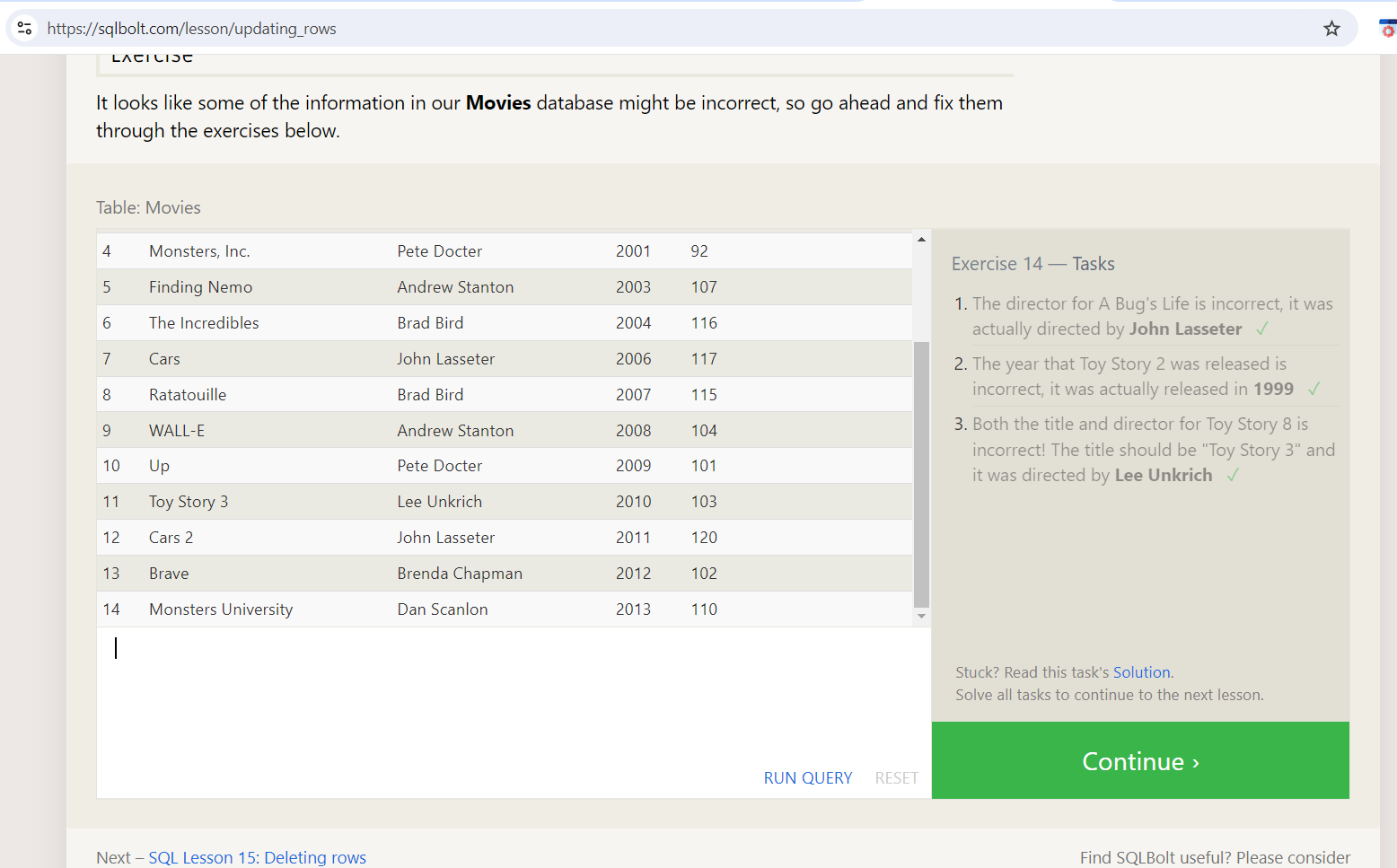
b) Answers

1) Insert into movies (Title,Director) values ('Toy Story 4', 'Akash')

2) Insert into Boxoffice (Movie\_id, Rating, Domestic\_sales, International\_sales) values

(16,8.7,340000000 , 270000000)

14) 14th Exercise:



b) Answers:

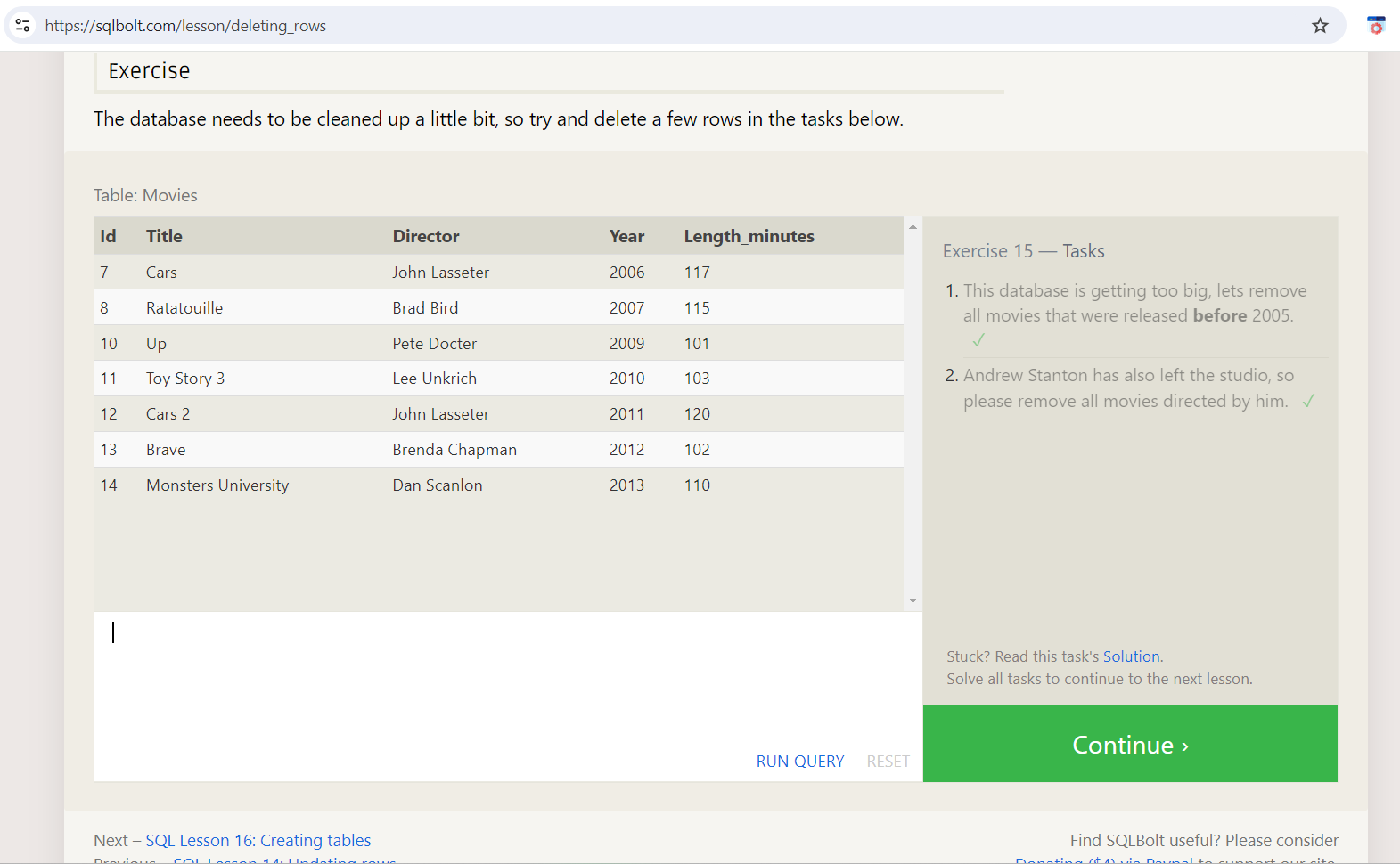
1)update movies set Director="John Lasseter" where title="A Bug's Life"

2)update movies set Year=1999 where title="Toy Story 2"

3) update movies set Title="Toy Story 3" , director="Lee Unkrich" where Title="Toy Story 8"

15) Exercise 15:

a)



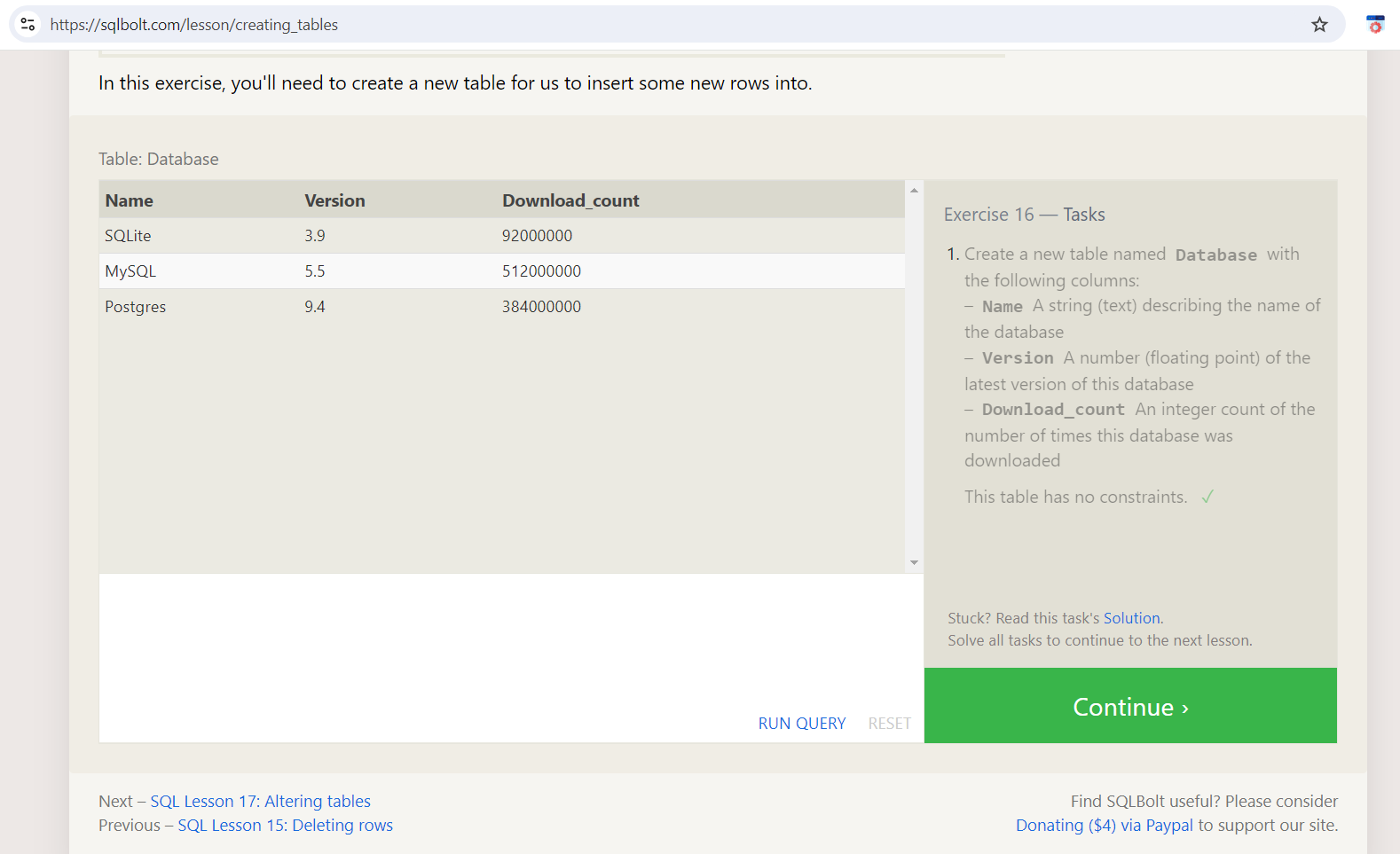
b)

1) delete from movies

where Year<2005;

2) delete from movies where director="Andrew Stanton"

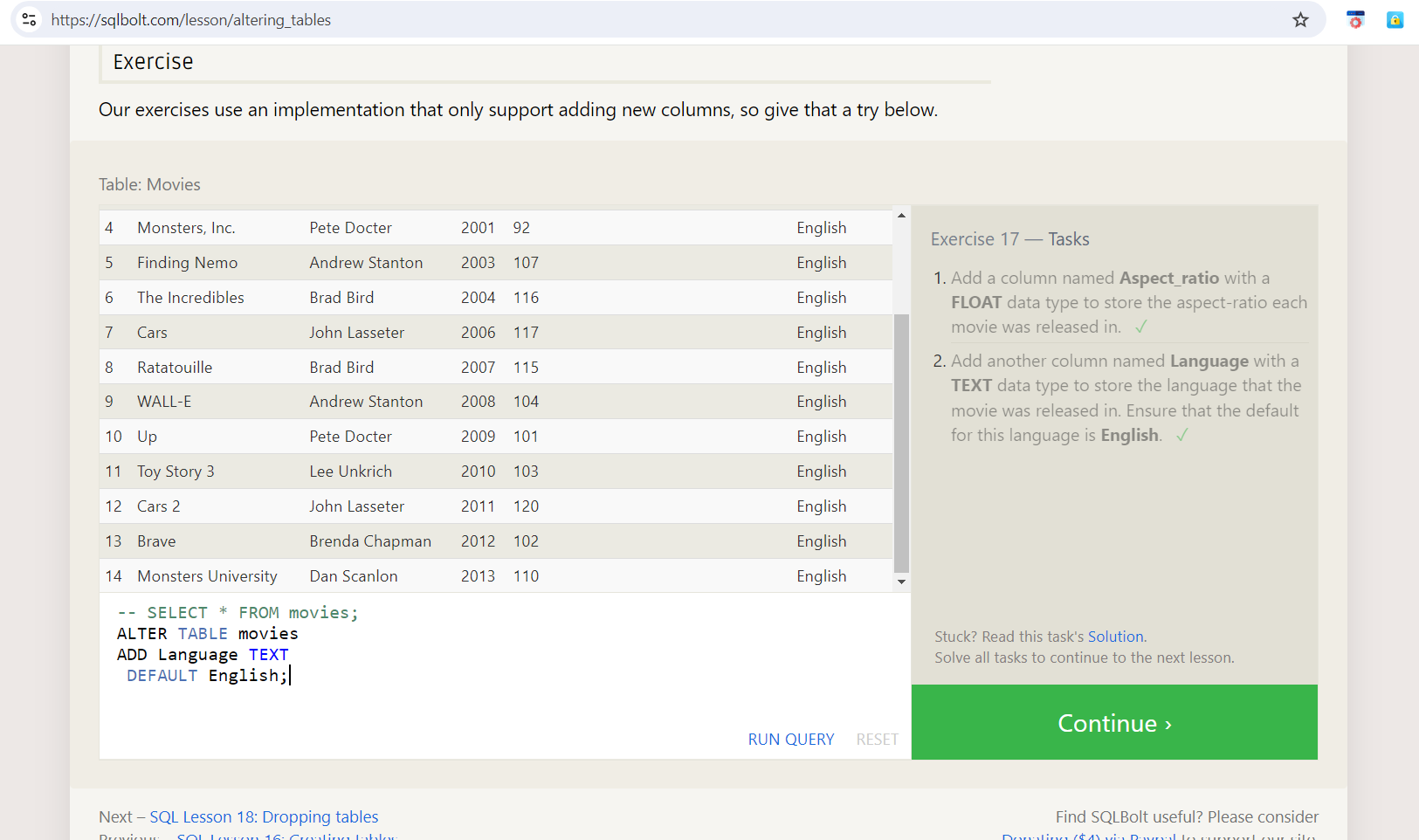
16) 16th Exercise:



b) Answers:

i) CREATE TABLE database(Name Varchar(10),Version Float, Download\_count INTEGER);

17) 17th Exercise :



b) **Answers:**

1) ALTER TABLE movies

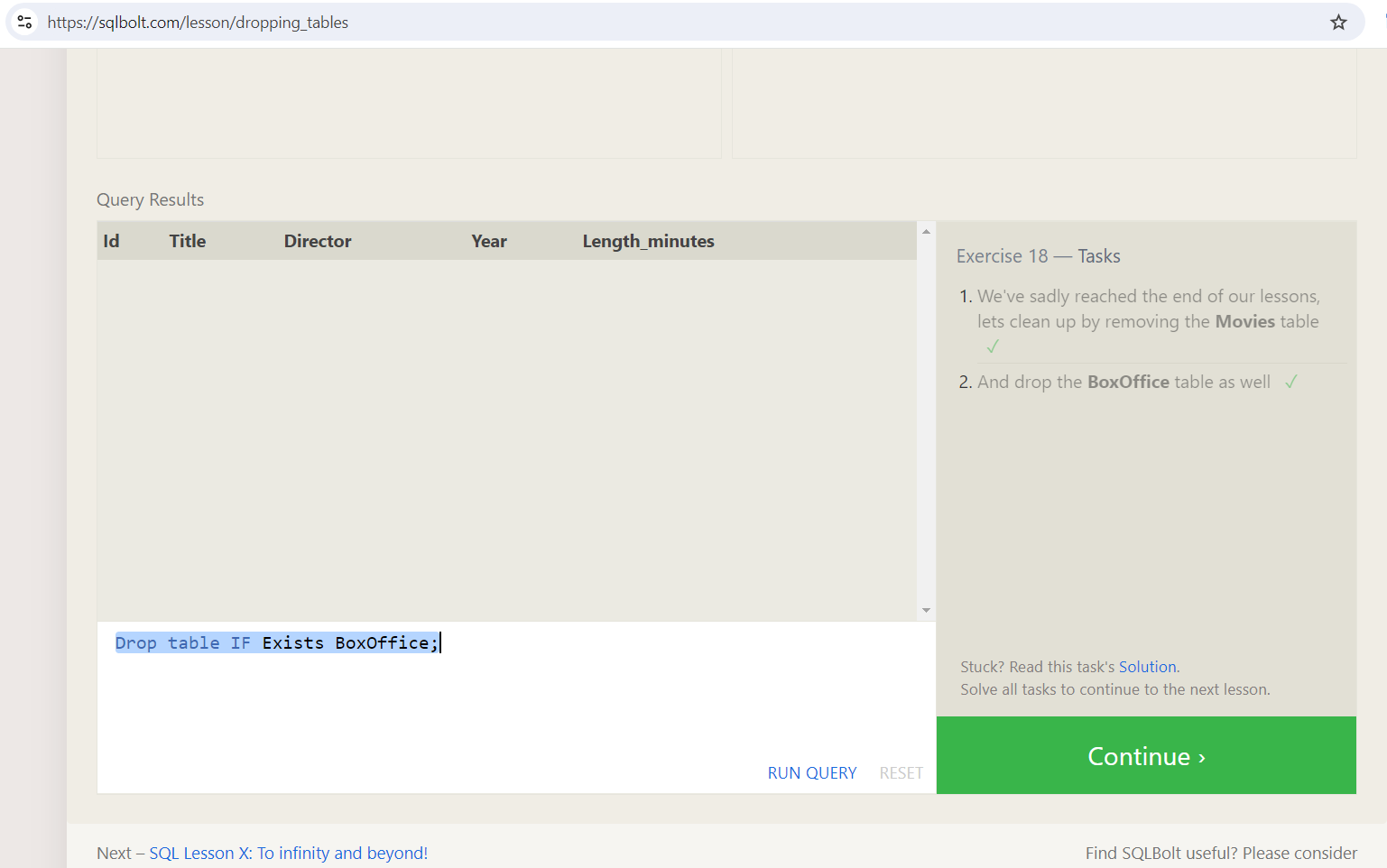
ADD Aspect\_ratio FLOAT ;

2)ALTER TABLE movies

ADD Language TEXT

DEFAULT English;

18) 18th Exercise



b) Answers:

1) Drop table IF Exists Movies;

2) Drop table IF Exists BoxOffice;