

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' ✓

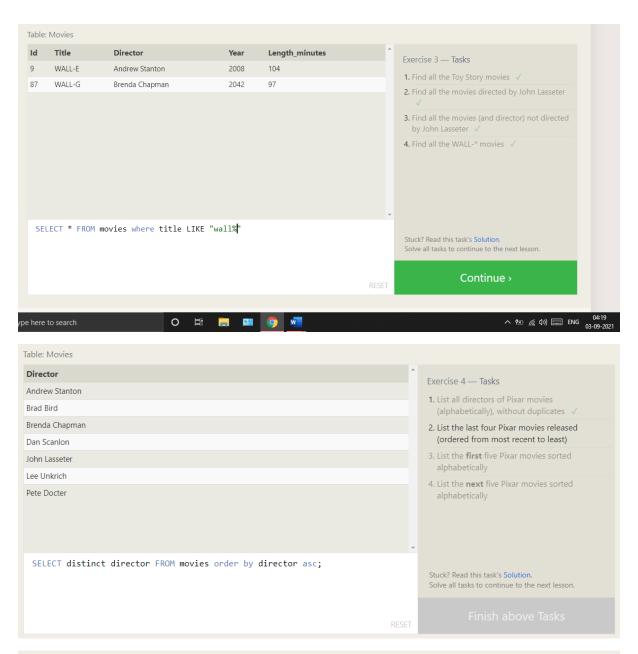
SELECT title, year FROM movies where (id<6);

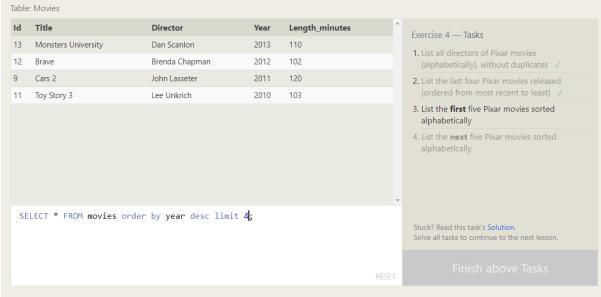
Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.

Table:	Movies					
Id	Title	Director	Year	Length_minutes	^	Exercise 3 — Tasks
1	Toy Story	John Lasseter	1995	81		1. Find all the Toy Story movies ✓
3	Toy Story 2	John Lasseter	1999	93		Find all the roy story movies Find all the movies directed by John Lasseter
11	Toy Story 3	Lee Unkrich	2010	103		Find all the movies (and director) not directed by John Lasseter
					¥	4. Find all the WALL-* movies
SEL	ECT * FROM movies	s where (title LIKE	"toy story	/绪');		Stuck? Read this task's Solution . Solve all tasks to continue to the next lesson.
					RESET	

Table:	Movies					
Id	Title	Director	Year	Length_minutes	Exercise 3 — Task	
1	Toy Story	John Lasseter	1995	81	1. Find all the Toy 9	
2	A Bug's Life	John Lasseter	1998	95		les directed by John Lasseter
3	Toy Story 2	John Lasseter	1999	93	∠. Filid all the illov	es directed by John Lasseter
7	Cars	John Lasseter	2006	117	3. Find all the mov	es (and director) not directed
12	Cars 2	John Lasseter	2011	120	by John Lasseter	
					*	
SEL	ECT * FROM movies	WHERE Director LIKE	"john%";			tinue to the next lesson.
					RESET	

Id	Title	Director	Year	Length_minutes	1	Exercise 3 — Tasks
4	Monsters, Inc.	Pete Docter	2001	92		
5	Finding Nemo	Andrew Stanton	2003	107		1. Find all the Toy Story movies ✓
6	The Incredibles	Brad Bird	2004	116		2. Find all the movies directed by John Lasseter
8	Ratatouille	Brad Bird	2007	115		3. Find all the movies (and director) not directed
9	WALL-E	Andrew Stanton	2008	104		by John Lasseter 🗸
10	Up	Pete Docter	2009	101		4. Find all the WALL-* movies
11	Toy Story 3	Lee Unkrich	2010	103		
13	Brave	Brenda Chapman	2012	102		
14	Monsters University	Dan Scanlon	2013	110		
87	WALL-G	Brenda Chapman	2042	97	_	
SE	LECT * FROM movies Wh	HERE Director not LIKE	"john%";			Stuck? Read this task's Solution . Solve all tasks to continue to the next lesson.
					SET	





d	Title	Director	Year	Length_minutes	Evercise	e 4 — Tasks
5	A Bug's Life	John Lasseter	1998	95		Il directors of Pixar movies
12	Brave	Brenda Chapman	2012	102		abetically), without duplicates
10	Cars	John Lasseter	2006	117	2. List t	he last four Pixar movies released
9	Cars 2	John Lasseter	2011	120	(orde	ered from most recent to least) 🗸
4	Finding Nemo	Andrew Stanton	2003	107		he first five Pixar movies sorted abetically √
					11 2150 0	he next five Pixar movies sorted abetically
SE	LECT * FROM movies	order by title asc 1:	imit 5;			lead this task's Solution . I tasks to continue to the next lesson.

ld	Title	Director	Year	Length_minutes	^	Exercise 4 — Tasks
3	Monsters University	Dan Scanlon	2013	110		List all directors of Pixar movies
2	Monsters, Inc.	Pete Docter	2001	92		(alphabetically), without duplicates ✓
	Ratatouille	Brad Bird	2007	115		2. List the last four Pixar movies released
5	The Incredibles	Brad Bird	2004	116		(ordered from most recent to least) $\sqrt{}$
3	Toy Story	John Lasseter	1995	81		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.

Continue:

Table: North_a	american_cities				
City	Country	Population	Latitude	Longitude	Review 1 — Tasks
Toronto	Canada	2795060	43.653226	-79.383184	List all the Canadian cities and their
Montreal	Canada	1717767	45.501689	-73.567256	populations √
					Order all the cities in the United States by the latitude from north to south
					List all the cities west of Chicago, ordered from west to east
					 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 *	FROM north_ame	erican_cities wher	e Country="Canad	a";	Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.
					Finish above Tasks

City	Latitude	Review 1 — Tasks	
Chicago	41.878114	List all the Canadian cities and their	
New York	40.712784	populations ✓	
Philadelphia	39.952584	2. Order all the cities in the United State:	s by their
Los Angeles	34.052234	latitude from north to south ✓	
Phoenix	33.448377	List all the cities west of Chicago, orde west to east	ered from
Houston	29.760427	4. List the two largest cities in Mexico (b	
		population)	у
		5. List the third and fourth largest cities population) in the United States and t population	
		▼	
SELECT city, latitude FROM r WHERE country = "United Stat ORDER BY latitude DESC;		Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.	
		Finish above Tasks	
		RESET	

	american	

City	Country	Population	Latitude	Longitude
Los Angeles	United States	3884307	34.052234	-118.243685
Phoenix	United States	1513367	33.448377	-112.074037
Guadalajara	Mexico	1500800	20.659699	-103.349609
Mexico City	Mexico	8555500	19.432608	-99.133208
Ecatepec de Morelos	Mexico	1742000	19.601841	-99.050674
Houston	United States	2195914	29.760427	-95.369803

SELECT * FROM north_american_cities where longitude < -87.629798 order by longitude;

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
- 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.

Table: North_american_cities

population desc limit 2

City	Country	Population	Latitude	Longitude
Mexico City	Mexico	8555500	19.432608	-99.133208
Ecatepec de Morelos	Mexico	1742000	19.601841	-99.050674

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
- 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 * FROM north_american_cities where country = "Mexico" order by

Table: North_american_cities			
City	Population	<u> </u>	Review 1 — Tasks
Los Angeles	3884307		
Toronto	2795060		 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 $\ \ \checkmark$
			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 FR limit 2 offset 2	OM north_american_cities order by p	population desc	Stuck? Read this task's Solution . Solve all tasks to continue to the next lesson.
		RESET	Continue ›

ery	y Results							
Id	Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	Internation
5	Finding Nemo	Andrew Stanton	2003	107	5	8.2	380843261	555900000
14	Monsters University	Dan Scanlon	2013	110	14	7.4	268492764	475066843
8	Ratatouille	Brad Bird	2007	115	8	8	206445654	417277164
12	Cars 2	John Lasseter	2011	120	12	6.4	191452396	368400000
3	Toy Story 2	John Lasseter	1999	93	3	7.9	245852179	239163000
6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000
4								
S	SELECT * F	ROM mov:	ies j	oin boxoffice	on movie	s.id=b	oxoffice.Movi	e_ j id;

International_sales

Finding Nemo	380843261	555900000
Monsters University	268492764	475066843
Ratatouille	206445654	417277164
Cars 2	191452396	368400000
The Incredibles	261441092	370001000
WALL-E	223808164	297503696

Domestic_sales

Query Results

Title

415004880 648167031 Toy Story 3 293004164 438338580 Up A Bug's Life 162798565 200600000 Brave 237283207 301700000

SELECT title, domestic_sales, international_sales FROM movies join boxoffice
 on movies.id = boxoffice.movie_id where international_sales > domestic_sales;

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

Query Results			
Title	Rating	^	Exercise 6 — Tasks
WALL-E	8.5		Find the domestic and international sales for
Toy Story 3	8.4		each movie ✓
Toy Story	8.3		2. Show the sales numbers for each movie that
Up	8.3		did better internationally rather than
Finding Nemo	8.2		domestically 2 List all the graving but he is actions in
Monsters, Inc.	8.1		3. List all the movies by their ratings in descending order ✓
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 ;			Stuck? Read this task's Solution . Solve all tasks to continue to the next lesson.
		RESET	Continue >

Building

1e

2w

Exercise 7 — Tasks

1. Find the list of all buildings that have employees ✓

2. Find the list of all buildings and their capacity

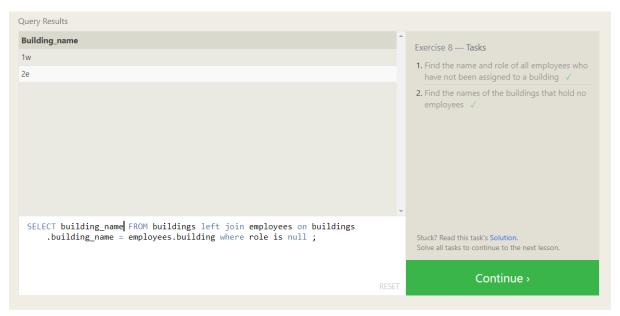
3. List all buildings and the distinct employee roles in each building (including empty buildings)

SELECT DISTINCT building FROM employees;

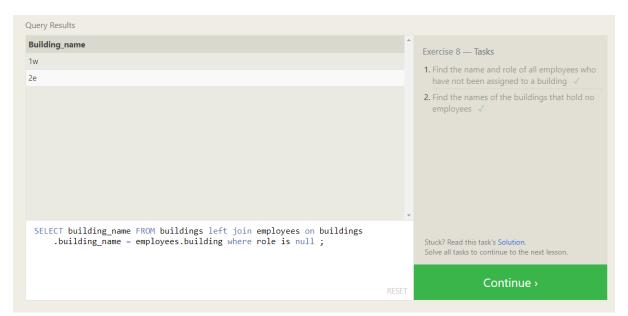
Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.

Query Results			
Building_name	Capacity	A	Exercise 7 — Tasks
1e	24		
1w	32		 Find the list of all buildings that have employees √
2e	16		2. Find the list of all buildings and their capacity
2w	20		✓
			List all buildings and the distinct employee roles in each building (including empty buildings)
SELECT * FROM buildings;			Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.
		RESET	

Query Results			
Role	Building_name	^	Exercise 7 — Tasks
Engineer	1e		
Manager	1e		1. Find the list of all buildings that have employees ✓
	1w		2. Find the list of all buildings and their capacity
	2e		✓
Artist	2w		List all buildings and the distinct employee roles in each building (including empty
Manager	2w		buildings) ✓
		*	
SELECT distinct role,building_name FROM buildings left join employees on employees.building=buildings.building_name;			Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.
		RESET	Continue >



Name	Role	^	Exercise 8 — Tasks
Yancy I.	Engineer		
Oliver P.	Artist		 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 name,role FROM	1 employees where building is null;	·	Stuck? Read this task's Solution.
			Solve all tasks to continue to the next lesson.



Title	Combined_sale	Î	Exercise 9 — Tasks	
Finding Nemo	936.743261		I. List all movies and their combined sales in	
Monsters University	743.559607		millions of dollars ✓	
Ratatouille	623.722818		2. List all movies and their ratings in percent	
Cars 2	559.852396		3. List all movies that were released on even	
Toy Story 2	485.015179		number years	
The Incredibles	631.442092			
WALL-E	521.31186			
Toy Story 3	1063.171911			
Toy Story	361.958736			
Cars	461.983149	*		
SELECT title, (domestic_sales+international_sales)/1000000 as combined_sale FROM movies join boxoffice on movies.id = boxoffice.movie_id ;			Stuck? Read this task's Solution . Solve all tasks to continue to the next lesson.	

OHODA	Results

Title	RatingPercent	î	Exercise 9 — Ta	
Finding Nemo	82			
Monsters University	74		1. List all movies millions of do	
Ratatouille	80		2. List all movies	
Cars 2	64		3. List all movie number year:	
Toy Story 2	79			
The Incredibles	80			
WALL-E	85			
Toy Story 3	84			
Toy Story	83			
Cars	72	.		
<pre>SELECT title, rating*10 as ratingPercent movies.id = boxoffice.movie_id ;</pre>	FROM movies join boxoffice on		Stuck? Read this to	

Tasks

- es and their combined sales in
- es and their ratings in percent 🗸
- es that were released on even



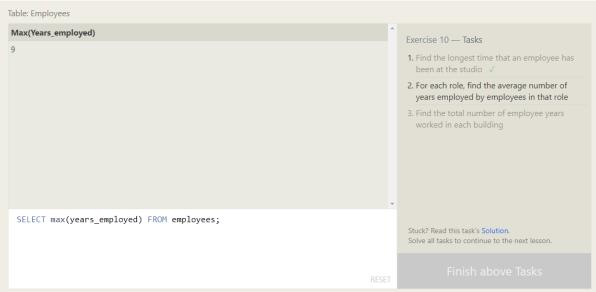


Table: Employees Role Average_years_employed Exercise 10 — Tasks Artist 6 1. Find the longest time that an employee has 3.4 Engineer Manager 2. For each role, find the average number of years employed by employees in that role \checkmark 3. Find the total number of employee years worked in each building ${\tt SELECT\ role,\ avg(years_employed)\ as\ Average_years_employed}$ ${\sf FROM} \ {\sf employees}$ Stuck? Read this task's Solution. group by role; Solve all tasks to continue to the next lesson.

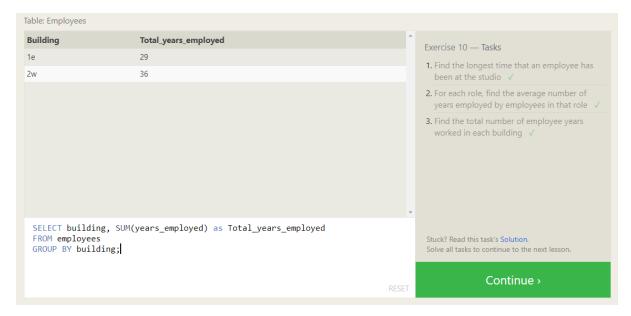




Table: Employees			
Role	Count(*)	A	Exercise 11 — Tasks
Artist	5		Find the number of Artists in the studio
Engineer	5		(without a HAVING clause) ✓
Manager 3			2. Find the number of Employees of each role in the studio $\ensuremath{\checkmark}$
		*	3. Find the total number of years employed by all Engineers
SELECT role, count(*)) FROM employees group by role;		Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson.
		RESET	

Table: Employees Sum(Years_employed) Exercise 11 — Tasks 17 1. Find the number of Artists in the studio (without a HAVING clause) V 2. Find the number of Employees of each role in the studio 🗸 3. Find the total number of years employed by all SELECT sum(years_employed) FROM employees where role="Engineer"; Stuck? Read this task's Solution. Solve all tasks to continue to the next lesson. Continue >

Query Results

Director	Totalmovies	^	
Andrew Stanton	2		Exercise 12 — Tasks
Brad Bird	2		 Find the number of movies each director director
Brenda Chapman	1		2. Find the total domestic and internationa
Dan Scanlon	1		that can be attributed to each director
John Lasseter	5		
Lee Unkrich	1		
Pete Docter	2		
		-	

Stuck? Read this task's Solution.
Solve all tasks to continue to the next lesson.

vies each director has

and international sales

,		
Director	TotalRevenue	^
Andrew Stanton	1458055121	
Brad Bird	1255164910	
Brenda Chapman	538983207	
Dan Scanlon	743559607	
John Lasseter	2232208025	
Lee Unkrich	1063171911	
Pete Docter	1294159000	

SELECT director ,count() as totalmovies FROM movies group by director;

Exercise 12 — Tasks

- 1. Find the number of movies each director has
- 2. Find the total domestic and international sales that can be attributed to each director \checkmark

SELECT director, sum(domestic_sales) + sum(international_sales) as
 totalRevenue FROM movies join boxoffice on movies.id = boxoffice
 .movie_id group by director;