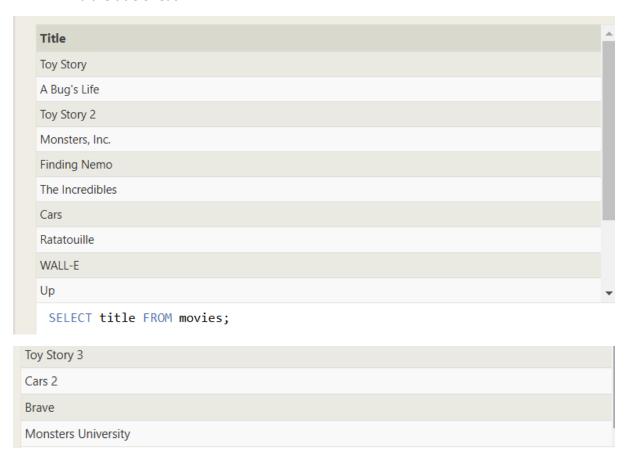
1. Find the title of each film



2. Find the director of each film



Lee Unkrich

John Lasseter

Brenda Chapman

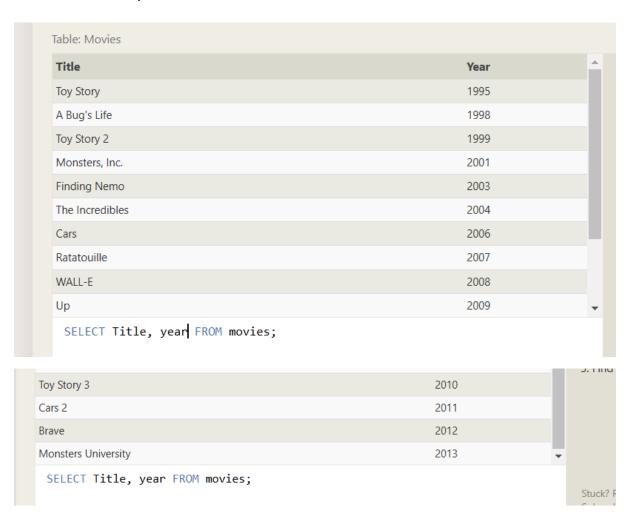
Dan Scanlon

3. Find the title and director of each film

Title	Director
Toy Story	John Lasseter
A Bug's Life	John Lasseter
Toy Story 2	John Lasseter
Monsters, Inc.	Pete Docter
Finding Nemo	Andrew Stanton
The Incredibles	Brad Bird
Cars	John Lasseter
Ratatouille	Brad Bird
WALL-E	Andrew Stanton
Up	Pete Docter

Toy Story 3	Lee Unkrich
Cars 2	John Lasseter
Brave	Brenda Chapman
Monsters University	Dan Scanlon ▼

4. Find the title and year of each film



5. Find all the information about each film.

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	

12 Car	2				
	rs 2	John Lasseter	2011	120	
13 Bra	ave	Brenda Chapman	2012	102	
14 Mo	onsters University	Dan Scanlon	2013	110	-

6. Find the movie with a row id of 6



7. Find the movies released in the years between 2000 and 2010

ld	Title	Director	Year	Length_minutes
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
11	Toy Story 3	Lee Unkrich	2010	103
FR	LECT * OM movies ERE year BETWEEN 2000	AND 2010		

8. Find the movies not released in the years between 2000 and 2010

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
12	Cars 2	John Lasseter	2011	120
13	Brave	Brenda Chapman	2012	102
14	Monsters University	Dan Scanlon	2013	110
FR	LECT * OM movies ERE year NOT BETWEEN 200	00 AND 2010;		

9. Find the first 5 Pixar movies and their release year

Using the right constraints, find the information we need from the Movies table for each

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	

SELECT title, year FROM movies ORDER BY year ASC LIMIT 5;

10. Find all the Toy Story movies

Table: Movies Length_minutes Id Title Director Year Toy Story 1995 1 John Lasseter 81 Toy Story 2 3 John Lasseter 1999 93 Toy Story 3 11 Lee Unkrich 2010 103

```
SELECT *
FROM movies
WHERE title LIKE '%Toy Story%';
```

11. Find all the movies directed by John Lasseter

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
7	Cars	John Lasseter	2006	117
12	Cars 2	John Lasseter	2011	120

```
SELECT *
FROM movies
WHERE director = 'John Lasseter';
```

12. Find all the movies (and director) not directed by John Lasseter

Table: Movies	
Title	Director
Monsters, Inc.	Pete Docter
Finding Nemo	Andrew Stanton
The Incredibles	Brad Bird
Ratatouille	Brad Bird
WALL-E	Andrew Stanton
Up	Pete Docter
Toy Story 3	Lee Unkrich
Brave	Brenda Chapman
Monsters University	Dan Scanlon
WALL-G	Brenda Chapman
SELECT title, director FROM movies WHERE director != 'John Lasseter';	

13. Find all the WALL-* movies.

lable:	: Movies			
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-%';
```

14. List all directors of Pixar movies (alphabetically), without duplicates

ORDER BY director ASC;

Table: Movies
Director
Andrew Stanton
Brad Bird
Brenda Chapman
Dan Scanlon
John Lasseter
Lee Unkrich
Pete Docter
SELECT DISTINCT director FROM movies

15. List the last four Pixar movies released (ordered from most recent to least)

Table: Movies	
Title	Year
Monsters University	2013
Brave	2012
Cars 2	2011
Toy Story 3	2010
SELECT title, year FROM movies ORDER BY year DESC	
LIMIT 4;	

16. List the first five Pixar movies sorted alphabetically

Table: Movies	
Title	
A Bug's Life	
Brave	
Cars	
Cars 2	
Finding Nemo	
SELECT title FROM movies ORDER BY title ASC LIMIT 5;	

17. List the next five Pixar movies sorted alphabetically

Table: Movies
Title
Monsters University
Monsters, Inc.
Ratatouille
The Incredibles
Toy Story
SELECT title FROM movies ORDER BY title ASC LIMIT 5 OFFSET 5;

18. List all the Canadian cities and their populations

Table: North_american_cities

City	Population
Toronto	2795060
Montreal	1717767

SELECT city, population FROM north_american_cities
WHERE country = "Canada";

19. Order all the cities in the United States by their latitude from north to south

Table: North_american_cities	
City	Latitude
Chicago	41.878114
New York	40.712784
Philadelphia	39.952584
Los Angeles	34.052234
Phoenix	33.448377
Houston	29.760427

```
SELECT city, latitude FROM north_american_cities
WHERE country = "United States"
ORDER BY latitude DESC;
```

20. List all the cities west of Chicago, ordered from west to east

City Longitude Los Angeles -118.243685 Phoenix -112.074037 Guadalajara -103.349609 Mexico City -99.133208 Ecatepec de Morelos -99.050674 Houston -95.369803

SELECT city, longitude FROM north_american_cities WHERE longitude < -87.629798
ORDER BY longitude ASC;

21. List the two largest cities in Mexico (by population

Table: North_american_cities	
City	Population
Mexico City	8555500
Ecatepec de Morelos	1742000

```
SELECT city, population FROM north_american_cities WHERE country LIKE "Mexico" ORDER BY population DESC LIMIT 2;
```

22. List the third and fourth largest cities (by population) in the United States and their population

Table: North_american_cities

City	Population
Chicago	2718782
Houston	2195914

```
SELECT city, population FROM north_american_cities WHERE country LIKE "United States"
ORDER BY population DESC
LIMIT 2 OFFSET 2;
```

23. Find the domestic and international sales for each movie

Query Results		
Title	Domestic_sales	International_sales
Finding Nemo	380843261	555900000
Monsters University	268492764	475066843
Ratatouille	206445654	417277164
Cars 2	191452396	368400000
Toy Story 2	245852179	239163000
The Incredibles	261441092	370001000
WALL-E	223808164	297503696
Toy Story 3	415004880	648167031
Toy Story	191796233	170162503
Cars	244082982	217900167

```
SELECT title, domestic_sales, international_sales
FROM movies
   JOIN boxoffice
   ON movies.id = boxoffice.movie_id;
```

24. Show the sales numbers for each movie that did better internationally rather than domestically

Title	Domestic_sales	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
Toy Story 3	415004880	648167031
Up	293004164	438338580
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;
```

25. List all the movies by their ratings in descending order

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;	

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26. Find the list of all buildings that have employees

Query Results
Building
1e
2w
SELECT DISTINCT building FROM employees;

27. Find the list of all buildings and their capacity Query Results

- /	
Building_name	Capacity
1e	24
1w	32
2e	16
2w	20

SELECT * FROM buildings;

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

Building_name	Role
1e	Engineer
1e	Manager
1w	
2e	
2w	Artist
2w	Manager
SELECT DISTINCT building_name, role FROM buildings	
LEFT JOIN employees	

29. Find the name and role of all employees who have not been assigned to a building

Query Results	
Name	Role
Yancy I.	Engineer
Oliver P.	Artist

SELECT name, role FROM employees WHERE building IS NULL;

30. Find the names of the buildings that hold no employees



Building_name

1w

2e

SELECT DISTINCT building_name
FROM buildings
 LEFT JOIN employees
 ON building_name = building
WHERE role IS NULL;