

Select:

We will be using a database with data about some of Pixar's classic movies for most of our exercises. This first exercise will only involve the **Movies** table, and the default query below currently shows all the properties of each movie. To continue onto the next lesson, alter the query to find the exact information we need for each task.

Table: Movies

Title
Toy Story
A Bug's Life
Toy Story 2
Monsters, Inc.
Finding Nemo
The Incredibles
Cars
Ratatouille
WALL-E
Up

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

SELECT title FROM movies;

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.  
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Finish above Tasks

need for each task.

Table: Movies

Director
John Lasseter
John Lasseter
John Lasseter
Pete Docter
Andrew Stanton
Brad Bird
John Lasseter
Brad Bird
Andrew Stanton
Pete Docter

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

SELECT director FROM movies;

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Next — SQL Lesson 2: Queries with constraints (Pt. 1)

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need for each task.

Table: Movies

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

```
SELECT title,director 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.

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need for each task.

Table: Movies

Title	Year
Toy Story	1995
A Bug's Life	1998
Toy Story 2	1999
Monsters, Inc.	2001
Finding Nemo	2003
The Incredibles	2004
Cars	2006
Ratatouille	2007
WALL-E	2008
Up	2009

```
SELECT title,year 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.

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Next — SQL Lesson 2: Queries with constraints (Pt. 1)

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need for each task.

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.

Continue >

Next: [SQL Lesson 2: Queries with constraints \(Pt. 1\)](#)

Pt.1

Using the right constraints, find the information we need from the **Movies** table for each task below.

Table: Movies

Id	Title	Director	Year	Length_minutes
6	The Incredibles	Brad Bird	2004	116

```
SELECT * FROM movies WHERE id="6";
```

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**

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Finish above

Using the right constraints, find the information we need from the **Movies** table for each task below.

Table: Movies

Id	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

`SELECT * FROM movies WHERE Year BETWEEN 2000 AND 2010 ;`

Exercise 2 — Tasks

- Find the movie with a row **id** of 6 ✓
- Find the movies released in the **year** s between 2000 and 2010 ✓
- Find the movies **not** released in the **year** s between 2000 and 2010
- Find the first 5 Pixar movies and their release **year**

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

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Using the right constraints, find the information we need from the **Movies** table for each task below.

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

`SELECT * FROM movies WHERE Year NOT BETWEEN 2000 AND 2010 ;`

Exercise 2 — Tasks

- Find the movie with a row **id** of 6 ✓
- Find the movies released in the **year** s between 2000 and 2010 ✓
- Find the movies **not** released in the **year** s between 2000 and 2010 ✓
- Find the first 5 Pixar movies and their release **year**

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

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Using the right constraints, find the information we need from the **Movies** table for each task below.

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

- Find the movie with a row **id** of 6 ✓
- Find the movies released in the **year** s between 2000 and 2010 ✓
- Find the movies **not** released in the **year** s between 2000 and 2010 ✓
- Find the first 5 Pixar movies and their release **year** ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Continue

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```
SELECT * FROM movies WHERE id<6 ;
```

Pt2:

SELECT column, another\_column, ...  
FROM mytable  
WHERE *condition*  
AND/OR *another\_condition*  
AND/OR ...;

Table: Movies

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

Exercise 3 — Tasks

- Find all the Toy Story movies ✓
- Find all the movies directed by John Lasseter
- Find all the movies (and director) not directed by John Lasseter
- Find all the WALL-\* movies

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

```
SELECT * FROM movies WHERE Title Like "Toy Story%";
```

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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

Exercise 3 — Tasks

- Find all the Toy Story movies ✓
- Find all the movies directed by John Lasseter ✓
- Find all the movies (and director) not directed by John Lasseter
- Find all the WALL-\* movies

Stuck? Read this task's [Solution](#).  
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Table: Movies

Id	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
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
13	Brave	Brenda Chapman	2012	102
14	Monsters University	Dan Scanlon	2013	110
87	WALL-G	Brenda Chapman	2042	97

Exercise 3 — Tasks

- Find all the Toy Story movies ✓
- Find all the movies directed by John Lasseter ✓
- Find all the movies (and director) not directed by John Lasseter ✓
- Find all the WALL-\* movies

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

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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 ✓

Stuck? Read this task's [Solution](#).  
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## Filtering, sorting query:

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might see in real life. try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies

Director
Andrew Stanton
Brad Bird
Brenda Chapman
Dan Scanlon
John Lasseter
Lee Unkrich
Pete Docter

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

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Solve all tasks to continue to the next lesson.

Finish above Tasks

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might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies

Id	Title	Director	Year	Length_minutes
14	Monsters University	Dan Scanlon	2013	110
4	Brave	Brenda Chapman	2012	102
9	Cars 2	John Lasseter	2011	120
10	Toy Story 3	Lee Unkrich	2010	103

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

Stuck? Read this task's [Solution](#).  
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Finish above Tasks

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Next - [SQL Review: Simple SELECT Queries](#)

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might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies

Id	Title	Director	Year	Length_minutes
7	A Bug's Life	John Lasseter	1998	95
4	Brave	Brenda Chapman	2012	102
11	Cars	John Lasseter	2006	117
9	Cars 2	John Lasseter	2011	120
3	Finding Nemo	Andrew Stanton	2003	107

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

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Finish above Tasks

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might see in real life. Try and use the necessary keywords and clauses introduced above in your queries.

Table: Movies

Id	Title	Director	Year	Length_minutes
14	Monsters University	Dan Scanlon	2013	110
1	Monsters, Inc.	Pete Docter	2001	92
8	Ratatouille	Brad Bird	2007	115
13	The Incredibles	Brad Bird	2004	116
2	Toy Story	John Lasseter	1995	81

```
SELECT * FROM movies ORDER BY Title LIMIT 5 OFFSET 5;
```

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 ✓

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Next — [SQL Review: Simple SELECT Queries](#)

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## Select:

Table: North\_american\_cities

City	Country	Population	Latitude	Longitude
Toronto	Canada	2795060	43.653226	-79.383184
Montreal	Canada	1717767	45.501689	-73.567256

```
SELECT * FROM north_american_cities WHERE Country="Canada";
```

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.

Finish above Tasks

Next — [SQL Lesson 6: Multi-table queries with JOINS](#)  
Previous — [SQL Lesson 4: Filtering and sorting Query results](#)

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Table: North\_american\_cities

City	Country	Population	Latitude	Longitude
Chicago	United States	2718782	41.878114	-87.629798
New York	United States	8405837	40.712784	-74.005941
Philadelphia	United States	1553165	39.952584	-75.165222
Los Angeles	United States	3884307	34.052234	-118.243685
Phoenix	United States	1513367	33.448377	-112.074037
Houston	United States	2195914	29.760427	-95.369803

```
SELECT * FROM north_american_cities
WHERE Country="United States"
ORDER BY Latitude DESC;
```

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](#).  
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Finish above Tasks

Next – SQL Lesson 6: Multi-table queries with JOINS  
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Table: North\_american\_cities

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;
```

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](#).  
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Finish above Tasks

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Table: North\_american\_cities

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

```
SELECT * FROM north_american_cities
WHERE Country="Mexico"
ORDER BY POPULATION Desc
LIMIT 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](#).  
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Finish above Tasks

Next — SQL Lesson 6: Multi-table queries with JOINS  
Previous — SQL Lesson 4: Filtering and sorting Query results

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Table: North\_american\_cities

City	Country	Population	Latitude	Longitude
Chicago	United States	2718782	41.878114	-87.629798
Houston	United States	2195914	29.760427	-95.369803

```
SELECT * 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](#).  
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Multitable query join

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6	The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000
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Query Results

Id	Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	International_sales
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

```
SELECT * FROM movies INNER JOIN Boxoffice
on id=movie_id;
```

Exercise 6 — Tasks

- Find the domestic and international sales for each movie ✓
- Show the sales numbers for each movie that did better internationally rather than domestically
- 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.

Finish above Tasks

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Query Results

Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	International_sales
Finding Nemo	Andrew Stanton	2003	107	5	8.2	380843261	555900000
Monsters University	Dan Scanlon	2013	110	14	7.4	268492764	475066843
Ratatouille	Brad Bird	2007	115	8	8	206445654	417277164
Cars 2	John Lasseter	2011	120	12	6.4	191452396	368400000
The Incredibles	Brad Bird	2004	116	6	8	261441092	370001000
WALL-E	Andrew Stanton	2008	104	9	8.5	223808164	297503696

```
SELECT * FROM movies INNER JOIN Boxoffice
on id=movie_id
WHERE International_sales > Domestic_sales;
```

Exercise 6 — Tasks

- Find the domestic and international sales for each movie ✓
- Show the sales numbers for each movie that did better internationally rather than domestically ✓
- 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.

Finish above Tasks

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Previous — SQL Review: Simple SELECT Queries

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Query Results

	Id	Title	Director	Year	Length_minutes	Movie_id	Rating	Domestic_sales	International_sa
9	WALL-E	Andrew Stanton	2008	104		9	8.5	223808164	297503696
11	Toy Story 3	Lee Unkrich	2010	103		11	8.4	415004880	648167031
1	Toy Story	John Lasseter	1995	81		1	8.3	191796233	170162503
10	Up	Pete Docter	2009	101		10	8.3	293004164	438338580
5	Finding Nemo	Andrew Stanton	2003	107		5	8.2	380843261	555900000
4	Monsters, Inc.	Pete Docter	2001	92		4	8.1	289916256	272900000

SELECT \* FROM movies INNER JOIN Boxoffice ON Id=Movie\_id ORDER BY Rating DESC

Exercise 6 — Tasks

- Find the domestic and international sales for each movie ✓
- Show the sales numbers for each movie that did better internationally rather than domestically ✓
- 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

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## Outer join

SQLBolt - Zen Class - sebovalis - seamed - seamed - React App - https://60... mockAPI - SQL DELE

sqlbolt.com/lesson/select\_queries\_with\_outer\_joins

	Engineer	Malcom S.	1e	1
	Artist	Tylar S.	2w	2

Query Results

Building
1e
2w

SELECT DISTINCT Building FROM employees;

Exercise 7 — Tasks

- Find the list of all buildings that have employees ✓
- Find the list of all buildings and their capacity
- List all buildings and the distinct employee roles in each building (including empty buildings)

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Finish above Tasks

SQL Bolt - | x Zen Class x sebovalis x sebamad x sebamad x React App x https://60... x mockAPI x SQL DELE... x +

sqlbolt.com/lesson/select\_queries\_with\_outer\_joins

Artist Tylar S. 2w 2

Query Results

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

`SELECT Building_name, Capacity FROM Buildings;`

RESET

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)

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Finish above Tasks

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31°C AQI 66 10:50 AM 20-08-2021

SQL Bolt - | x Zen Class x sebovalis x sebamad x sebamad x React App x https://60... x mockAPI x SQL DELE... x +

sqlbolt.com/lesson/select\_queries\_with\_outer\_joins

Artist Tylar S. 2w 2

Query Results

Building_name	Role
1e	Engineer
1e	Manager
1w	
2e	
2w	Artist
2w	Manager

`SELECT DISTINCT Building_name, Role FROM Buildings LEFT JOIN Employees ON Building_name=Building;`

RESET

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) ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Continue

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Nulls

SQLBolt - | x Zen Class x sebovalis x sebamad x sebamad x React App x https://60... x mockAPI x SQL DELE x +

sqlbolt.com/lesson/select\_queries\_with\_nulls

Artist Iylar S. 2W 2

Query Results

Role	Name	Building	Years_employed
Engineer	Yancy I.		0
Artist	Oliver P.		0

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 ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Finish above Tasks

Activate Windows  
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Next - [SQL Lesson 9: Queries with expressions](#)

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sqlbolt.com/lesson/select\_queries\_with\_nulls

Artist Iylar S. 2W 2

Query Results

Building_name	Role
1w	
2e	

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 ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Continue >

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Next - [SQL Lesson 9: Queries with expressions](#)

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Queries with expression

SQLbolt.com/lesson/select\_queries\_with\_expressions

3	Toy Story 2	John Lasseter	1999	93	8	8	206445654	417277164
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

Title	(Domestic_sales+International_sales)/1000000
Finding Nemo	936.743261
Monsters University	743.559607
Ratatouille	623.722818
Cars 2	559.852396
Toy Story 2	485.015179
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 FROM movies INNER JOIN Boxoffice ON Id=Movie_id;
```

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

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lessons to activate Windows.

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SQLbolt.com/lesson/select\_queries\_with\_expressions

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

Title	(Rating)*10
Finding Nemo	82
Monsters University	74
Ratatouille	80
Cars 2	64
Toy Story 2	79
The Incredibles	80
WALL-E	85
Toy Story 3	84
Toy Story	83
Cars	72

```
SELECT Title,(rating)*10 FROM movies INNER JOIN Boxoffice ON Id=Movie_id;
```

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

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

Windows taskbar: 11:42 AM 20-08-2021



SQLBolt.com lesson: select\_queries\_with\_expressions

Id	Title	Director	Year	Length_minutes	Rating	BoxOffice
6	The Incredibles	Brad Bird	2004	116	8	261441092
7	WALL-E	Andrew Stanton	2008	95	9	370001000
8	Toy Story 3	Lee Unkrich	2010	103	8	415005173
9	Cars	John Lasseter	2006	96	7	233618011
10	A Bug's Life	John Lasseter	1998	95	7	363373213
11	Brave	Mark Andrews	2012	93	7	511972515

Query Results

**Title**

- The Incredibles
- WALL-E
- Toy Story 3
- Cars
- A Bug's Life
- Brave

```
SELECT Title FROM movies INNER JOIN Boxoffice
ON Id=Movie_id
WHERE Year%2=0;
```

Exercise 9 — Tasks

- List all movies and their combined sales in **millions** of dollars ✓
- List all movies and their ratings **in percent** ✓
- List all movies that were released on even number years ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

[Continue](#) [Activate Windows](#)  
Go to Settings to activate Windows.

## INSERTING ROWS

SQLBolt.com lesson: inserting\_rows

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
11	Toy Story 4	John Lasseter	2000	102

Query Results

```
INSERT INTO Movies
VALUES("11","Toy Story 4","John Lasseter","2000","102");
```

Exercise 13 — Tasks

- Add the studio's new production, **Toy Story 4** to the list of movies (you can use any director) ✓
- 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](#) [Finish above Tasks](#)

Next – SQL Lesson 14: Updating rows  
Previous – SQL Lesson 12: Order of execution of a Query

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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
11	8.7	340000000	270000000

```
INSERT INTO Boxoffice
VALUES("11","8.7","340000000","270000000");
```

RUN QUERY RESET

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.

Continue >

Next – [SQL Lesson 14: Updating rows](#)  
Previous – [SQL Lesson 12: Order of execution of a Query](#)

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## Updating rows:

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sqlbolt.com/lesson/updating\_rows

It looks like some of the information in our **movies** database might be incorrect, so go ahead and fix them through the exercises below.

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	1899	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

```
UPDATE Movies
SET Director="John Lasseter"
WHERE id="2";
```

RUN QUERY RESET

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.

Finish above Tasks

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SQLBolt.com/lesson/updating\_rows

it looks like some of the information in our **movies** database might be incorrect, so go ahead and fix them through the exercises below.

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

```
UPDATE Movies
SET Year="1999"
WHERE id="3";
```

[RUN QUERY](#) [RESET](#)

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.

[Finish above Tasks](#)  
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SQLBolt.com/lesson/updating\_rows

it looks like some of the information in our **movies** database might be incorrect, so go ahead and fix them through the exercises below.

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

```
UPDATE Movies
SET Title="Toy Story 3",
    Director="Lee Unkrich"
WHERE id="11";
```

[RUN QUERY](#) [RESET](#)

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.

[Continue](#)  
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Deleting rows:

SQL Bolt - Zen Class - sebovalis - sebam - sebam - React App - https://60... mockAPI - SQL DELE... +

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
9	WALL-E	Andrew Stanton	2008	104
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

Row(s) deleted

```
DELETE FROM Movies
WHERE Year<2005
```

RUN QUERY RESET

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.

Finish above Tasks

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https://sqlbolt.com/lesson/deleting\_rows#section.14: Updating rows

16: Creating tables

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SQL Bolt - Zen Class - sebovalis - sebam - sebam - React App - https://60... mockAPI - SQL DELE... +

sqlbolt.com/lesson/deleting\_rows

The database needs to be cleaned up a little bit, so try and delete a few rows in the tasks below.

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

```
DELETE FROM Movies
WHERE DIRECTOR="Andrew Stanton"
```

RUN QUERY RESET

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.

Continue >

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29°C Light rain 09:24 AM 20-08-2021

Creating table:

SQL Bolt - x Zen Class x sebovalis x sebamé x sebamé x React App x https://60... x mockAPI x SQL DELETE x +

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 downloadedThis table has no constraints. ✓

Stuck? Read this task's [Solution](#).  
Solve all tasks to continue to the next lesson.

**Continue** x

CREATE TABLE Database (  
Name TEXT,  
Version Double,  
Download\_count INTEGER  
);

RUN QUERY RESET

Windows  
Go to Settings to activate Windows.

Type here to search

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Alter  
:

SQL Bolt - x Zen Class x sebovalis x sebamé x sebamé x React App x https://60... x mockAPI x SQL DELETE x +

sqlbolt.com/lesson/altering\_tables

Exercise

Our exercises use an implementation that only support adding new columns, so give that a try below.

Table: Movies

Id	Title	Director	Year	Length_minutes	Spect_ratio	Aspect_ratio
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 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.

**Finish above tasks**

ALTER TABLE MOVIES  
ADD Aspect\_ratio FLOAT

RUN QUERY RESET

Windows  
Go to Settings to activate Windows.

Type here to search

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Exercise

Our exercises use an implementation that only support adding new columns, so give that a try below.

Table: Movies

Id	Title	Director	Year	Length_minutes	Spect_ratio	Aspect_ratio	Language
1	Toy Story	John Lasseter	1995	81			English
2	A Bug's Life	John Lasseter	1998	95			English
3	Toy Story 2	John Lasseter	1999	93			English
4	Monsters, Inc.	Pete Docter	2001	92			English
5	Finding Nemo	Andrew Stanton	2003	107			English
6	The Incredibles	Brad Bird	2004	116			English
7	Cars	John Lasseter	2006	117			English
8	Ratatouille	Brad Bird	2007	115			English
9	WALL-E	Andrew Stanton	2008	104			English
10	Up	Pete Docter	2009	101			English

```
ALTER TABLE MOVIES
ADD Language TEXT
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.

Continue

## Drop:

Query Results

Id	Title	Director	Year	Length_minutes
3				
6				

```
DROP TABLE IF EXISTS Movies;
```

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.

Finish above Tasks

SQLBolt.com lesson interface showing a query execution environment.

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.

`DROP TABLE IF EXISTS Boxoffice;`

[RUN QUERY](#) [RESET](#)

[Continue](#) Activate Windows  
Go to Settings to activate Windows.

a