

GUVI DAY 33 TASK

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DATABASE – SQL DAY1 TASK:

<http://sqlbolt.com/> take a screenshot of your executed queries then upload it to GitHub and submit your URL

SCREENSHOT OF FIRST 5 QUESTIONS IN SQLBOT

Exercise 1:

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;
```

RESET

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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Exercise 2:

```
SELECT * FROM movies where Id=6;
```

```
SELECT Title FROM movies where Year Between 2000 AND 2010;
```

```
SELECT Title FROM movies where Year NOT Between 2000 AND 2010;
```

```
SELECT Title,Year FROM movies ORDER BY Year
LIMIT 5; ;
```

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 FROM movies ORDER BY Year
LIMIT 5; ;
```

RESET

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.

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Exercise 3:

```
SELECT Title FROM movies WHERE Title LIKE "%Toy Story%";
```

```
SELECT Title FROM movies WHERE Director="John Lasseter";
```

```
SELECT Title,Director FROM movies WHERE Director NOT LIKE "John Lasseter";
```

```
SELECT Title FROM movies WHERE Title LIKE "WALL-%";
```

Table: Movies

Title
WALL-E
WALL-G

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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```
SELECT Title FROM movies WHERE Title LIKE "WALL-%";
```

RESET

Exercise 4:

```
SELECT DISTINCT Director FROM movies ORDER BY Director ASC;
```

```
SELECT Title FROM movies ORDER BY Year DESC LIMIT 4;
```

```
SELECT Title FROM movies ORDER BY Title ASC LIMIT 5;
```

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

Table: Movies

Title
Monsters University
Monsters, Inc.
Ratatouille
The Incredibles
Toy Story

Exercise 4 — Tasks

- List all directors of Pixar movies (alphabetically), without duplicates ✓
- List the last four Pixar movies released (ordered from most recent to least) ✓
- List the **first** five Pixar movies sorted alphabetically ✓
- List the **next** five Pixar movies sorted alphabetically ✓

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

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

RESET

Exercise 5:

```
SELECT City,Population FROM north_american_cities WHERE Country="Canada";
```

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

```
SELECT City FROM north_american_cities WHERE longitude < (SELECT longitude  
FROM north_american_cities WHERE City = 'Chicago')  
ORDER BY Longitude;;
```

```
SELECT City FROM north_american_cities WHERE Country = 'Mexico' ORDER BY  
Population DESC LIMIT 2;
```

```
SELECT City,Population FROM north_american_cities WHERE Country = 'United  
States' ORDER BY Population DESC LIMIT 2 OFFSET 2;
```

Table: North_american_cities

City	Population
Chicago	2718782
Houston	2195914

```
SELECT City,Population 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](#).

Solve all tasks to continue to the next lesson.

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