

SQL ASSIGNMENT

Exercise 1 — Tasks

1. Find the **title** of each film ✓

```
SELECT Title FROM movies;
```

2. Find the **director** of each film

```
SELECT Director FROM Movies;
```

3. Find the **title** and **director** of each film

```
SELECT Title, Director FROM Movies;
```

4. Find the **title** and **year** of each film

```
SELECT Title, Year FROM Movies;
```

5. Find **all** the information about each film

```
SELECT * FROM Movies;
```

Exercise 2 — Tasks

1. Find the movie with a row **id** of 6 ✓

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

2. Find the movies released in the **years** between 2000 and 2010

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

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

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

4. Find the first 5 Pixar movies and their release **year**

```
SELECT * FROM MOVIES WHERE Id < 6;
```

Exercise 3 — Tasks

1. Find all the Toy Story movies ✓

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

2. Find all the movies directed by John Lasseter ✓

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

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

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

4. Find all the WALL-* movies ✓

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

Exercise 4 — Tasks

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

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

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

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

3. List the **first** five Pixar movies sorted alphabetically

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

4. List the **next** five Pixar movies sorted alphabetically

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

Exercise 6 — Tasks

1. Find the domestic and international sales for each movie ✓

```
SELECT Title, Domestic_sales, International_sales FROM movies INNER JOIN boxoffice ON movies.Id = boxoffice.Movie_id;
```

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

```
SELECT Title, International_sales, Domestic_sales FROM movies INNER JOIN boxoffice ON movies.Id = boxoffice.Movie_id WHERE boxoffice.International_sales >= boxoffice.Domestic_sales;
```

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

```
SELECT Title, Rating FROM movies INNER JOIN boxoffice ON movies.Id = boxoffice.Movie_id ORDER BY Rating DESC;
```

Exercise 6 — Tasks

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

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

2. Find the list of all buildings and their capacity

```
SELECT Building_name, Capacity FROM Buildings;
```

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

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