

## SQLBolt Exercise 4 — Tasks

Source: [https://sqlbolt.com/lesson/filtering\\_sorting\\_query\\_results](https://sqlbolt.com/lesson/filtering_sorting_query_results)

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

Ans:

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

### Explanation:

- **SELECT DISTINCT director**: Retrieves unique names from the **director** column in the **movies** table. This ensures that if a director has directed multiple movies, their name appears only once.
- **ORDER BY director ASC**: Sorts the list of unique directors in **ascending (alphabetical)** order. ASC is optional, as ascending order is the default.

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

Ans:

```
SELECT title, year
FROM movies
ORDER BY year DESC
LIMIT 4;
```

### Explanation:

- **SELECT title, year**: Selects the title and release year of each movie.

- **ORDER BY year DESC**: Sorts the movies by their **year** in **descending order** — the most recent movies will appear first.
- **LIMIT 4**: Restricts the result to the **top 4 rows only**, i.e., the 4 most recent movies.

3. List the first five Pixar movies sorted alphabetically

Ans:

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

**Explanation:**

- **ORDER BY title ASC**: Sorts the movie titles in **alphabetical order (A to Z)**.
- **LIMIT 5**: Limits the output to the **first five** records after sorting.

4. List the next five Pixar movies sorted alphabetically

Ans:

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

**Explanation:**

- **OFFSET 5**: Skips the first 5 records in the sorted list.

- **LIMIT 5**: Then selects the next 5 records following the offset.
- This query is helpful for **pagination**, where results are viewed in chunks.

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