

<https://sqlbolt.com/>

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

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

**(List the next five Pixar movies sorted alphabetically)**

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

**(Order all the cities in the United States by their latitude from north to south)**

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

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

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

**(Show the sales numbers for each movie that did better internationally rather than domestically)**

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

**(Find the name and role of all employees who have not been assigned to a building)**

```
SELECT name, role FROM employees
WHERE building IS NULL;
```

**(Find the names of the buildings that hold no employees)**

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

**(List all movies and their ratings in percent)**

```
SELECT title, rating * 10 AS rating_in_percent
FROM movies
```

```
LEFT JOIN boxoffice  
ON movies.id = boxoffice.movie_id;
```

**(For each role, find the average number of years employed by employees in that role)**

```
SELECT role, AVG(years_employed) AS avg_years FROM employees  
GROUP BY role;
```

**(Find the total domestic and international sales that can be attributed to each director)**

```
SELECT director, SUM (Domestic_sales + International_sales) AS whole sales  
FROM movies  
LEFT JOIN boxoffice  
ON movies.id=boxoffice.movie_id  
GROUP BY director;
```

**(The director for A Bug's Life is incorrect, it was actually directed by John Lasseter)**

```
UPDATE movies  
SET director = "John Lasseter"  
WHERE id = 2;
```