

## GROUP BY Single Fields

Learn / Courses / Intermediate SQL

Exercise

### GROUP BY single fields

**GROUP BY** is a SQL keyword that allows you to group and summarize results with the additional use of aggregate functions. For example, films can be grouped by the certification and language before counting the film titles in each group. This allows you to see how many films had a particular certification and language grouping.

In the following steps, you'll summarize other groups of films to learn more about the films in your database.

Instructions 1/2 50 XP

- 1 Select the `release_year` and count of films released in each year, aliased as `film_count`.  
Take Hint (-15 XP)
- 2 Select the `release_year` and average duration aliased as `avg_duration` of all films, grouped by `release_year`.

query.sql

```
1 -- Find the release_year and film_count of each year
2 ---
```

query result

reviews	films
No query executed yet...	

Showing 0 out of 0 rows

### Question

1. Select the `release_year` and count of films released in each year aliased as `film_count`.
2. Select the `release_year` and average duration aliased as `avg_duration` of all films, grouped by `release_year`.

### Answer

-- Step 1: Find the `release_year` and `film_count` of each year

```
SELECT release_year, COUNT(*) AS film_count
```

```
FROM films
```

```
GROUP BY release_year;
```

-- Step 2: Find the `release_year` and `avg_duration` of films grouped by `release_year`

```
SELECT release_year, AVG(duration) AS avg_duration
```

```
FROM films
```

```
GROUP BY release_year;
```

### Code Explanation

1. `SELECT release_year, COUNT(*) AS film_count FROM films GROUP BY release_year`:

- `SELECT release_year`: Selects the `release_year` column.

- COUNT(\*): Counts the number of films for each release year.
- AS film\_count: Assigns the alias 'film\_count' to the count result.
- GROUP BY release\_year: Groups the rows by the release year to aggregate the count.

2. SELECT release\_year, AVG(duration) AS avg\_duration FROM films  
GROUP BY release\_year:

- SELECT release\_year: Selects the release\_year column.
- AVG(duration): Calculates the average duration of films for each release year.
- AS avg\_duration: Assigns the alias 'avg\_duration' to the average result.
- GROUP BY release\_year: Groups the rows by the release year to calculate the average.