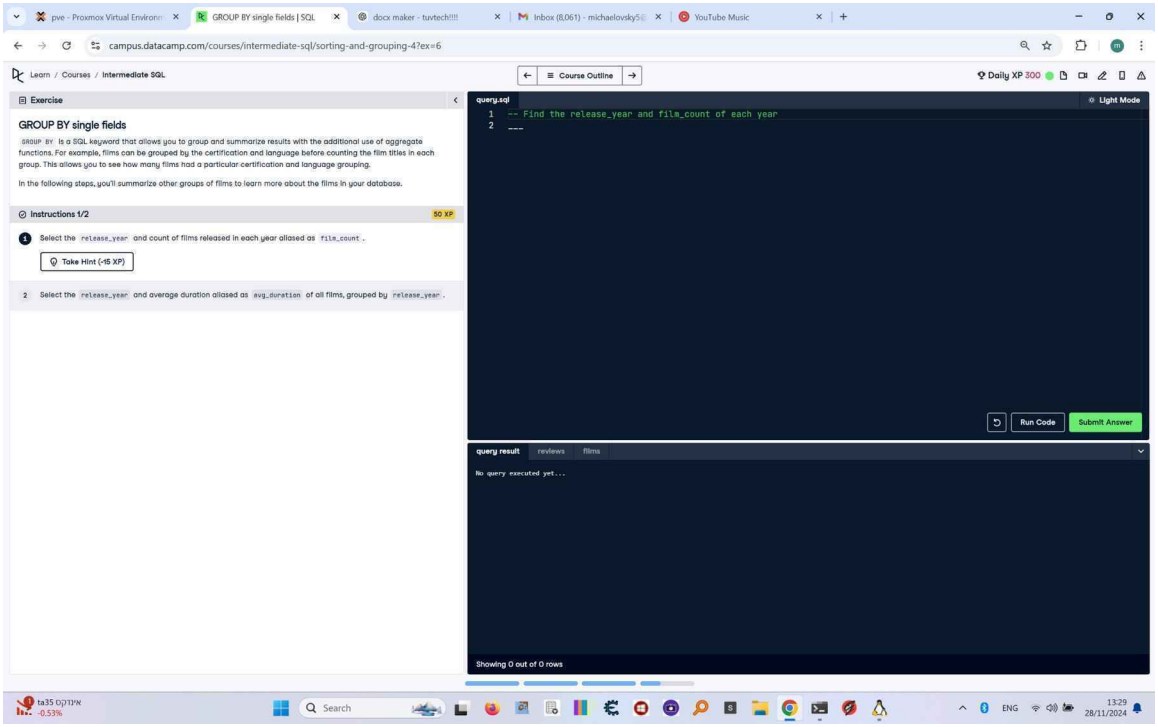
GROUP BY Single Fields



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.