

# 25\_Average Review Ratings

## Easy - Solution

Source - <https://datalemur.com/questions/sql-avg-review-ratings>

### Running Notes

- retrieve the average star rating for each product, grouped by month.
- The output should display the month as a numerical value, product ID, and average star rating rounded to two decimal places.
- Sort the output first by month and then by product ID.

```
WITH main_cte AS (SELECT EXTRACT(MONTH FROM submit_date) as mth,
product_id as product,
stars
FROM reviews)

SELECT mth,product,ROUND(AVG(stars),2) as avg_stars
FROM main_cte
GROUP BY product, mth
ORDER BY mth, product
```

### Why I used a CTE:

1. **Readability:** Separating the logic into a CTE makes the query easier to read and understand, especially when working with complex transformations or multiple layers of calculations.
2. For most practical purposes, **(CTE)** is preferred due to its clarity and future extensibility.