



Amazon SQL Interview Question

DATALEMUR

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Description

Given the reviews table, write a query to 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.

reviews **Example Input:**

review_id	user_id	submit_date	product_id	stars
6171	123	06/08/2022 00:00:00	50001	4
7802	265	06/10/2022 00:00:00	69852	4
5293	362	06/18/2022 00:00:00	50001	3
6352	192	07/26/2022 00:00:00	69852	3
4517	981	07/05/2022 00:00:00	69852	2

SOLUTION

```
SELECT EXTRACT(month from  
submit_date) as month,
```

```
product_id,
```

```
Round(AVG(stars),2) as  
average_star
```

```
FROM reviews
```

```
GROUP BY month, product_id
```

```
ORDER BY month, product_id
```

Output

month	product_id	average_star
5	25255	4.00
5	25600	4.33
6	12580	4.50
6	50001	3.50
6	69852	4.00
7	11223	5.00
7	69852	2.50

THANKS...
