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.

P.S. If you've read the Ace the Data Science Interview, and liked it, consider writing us a review?

reviews **Table:**

Column Name	Type
review_id	integer
user_id	integer
submit_date	datetime
product_id	integer
stars	integer (1-5)

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

Example Output:

mth	product	avg_stars

6	50001	3.50
6	69852	4.00
7	69852	2.50