

Assignment-3

Q-1) Write a query to get the average star for each products every month.

Review

Review-id	User-id	Submit-base	Product-id	Star
6171	123	6/8/22	5001	4
7802	265	6/10/22	69852	4
5293	362	6/18/22	5001	3
6352	192	7/26/22	69852	3
4517	981	7/5/22	69852	2

i) For each product_id for each month note down their stars

ii) Find the average of stars that are received by each product for that particular month

QUERY)

```
CREATE TABLE REVIEW( REVIEW_ID NUMERIC(5) PRIMARY KEY, USER_ID NUMERIC(5), SUBMIT_DATE  
DATE, PRODUCT_ID NUMERIC(10), STARS NUMERIC(2) );
```

```
INSERT INTO REVIEW VALUES(6171,123,'8-06-22',5001,4);
```

```
INSERT INTO REVIEW VALUES(7802,265,'10-06-22',69852,4);
```

```
INSERT INTO REVIEW VALUES(5293,362,'18-06-22',5001,3);
```

```
INSERT INTO REVIEW VALUES(6352,192,'26-07-22',69852,3);
```

```
INSERT INTO REVIEW VALUES(4517,981,'5-07-22',69852,2);
```

```
2) SELECT PRODUCT_ID, TO_CHAR(SUBMIT_DATE,'Month') AS MONTH, AVG(STARS) AS  
AVERAGE_STARS FROM REVIEW GROUP BY PRODUCT_ID,TO_CHAR(SUBMIT_DATE,'Month') ORDER  
BY PRODUCT_ID,TO_CHAR(SUBMIT_DATE,'Month');
```

```
3) SELECT PRODUCT_ID, EXTRACT(MONTH FROM SUBMIT_DATE) AS MONTH, STARS, AVG(STARS)  
OVER (PARTITION BY PRODUCT_ID, EXTRACT(MONTH FROM SUBMIT_DATE)) AS AVERAGE_STARS  
FROM REVIEW ORDER BY PRODUCT_ID, EXTRACT(MONTH FROM SUBMIT_DATE)
```