**Assignment-3**

Q-1) Write a querry 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 averae of stars that are received by eatch 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)