# **Day-3**

# [Average Review Ratings [Amazon SQL Interview Question]](https://datalemur.com/questions/sql-avg-review-ratings)

select DATE\_PART('MONTH',submit\_date) mth , product\_id,

ROUND(AVG(stars),2) FROM reviews

GROUP BY DATE\_PART('MONTH',submit\_date) , product\_id

ORDER BY DATE\_PART('MONTH',submit\_date) , product\_id;

# [App Click-through Rate (CTR) [Facebook SQL Interview Question]](https://datalemur.com/questions/click-through-rate)

SELECT

app\_id,ROUND(100 \*SUM(CASE WHEN event\_type = 'click' THEN 1.0 ELSE 0.0 END) /SUM(CASE WHEN event\_type = 'impression' THEN 1.0 ELSE 0.0 END),2) AS ctr

FROM events

WHERE DATE\_PART('year', timestamp) = 2022

GROUP BY app\_id;