

# Amazon

As a Product Analyst on the Prime Video team, you are tasked with evaluating content engagement across various movie and show categories....

Question 1: What is the aggregated view events across each content category in August 2024? This information will help the Prime Video team understand which content genres are engaging users during that month.

```
SELECT
  category,
  SUM/views) AS total_views
FROM content_views_daily_agg
WHERE TO_CHAR(view_date, 'YYYY-MM') = '2024-08'
GROUP BY category;
```



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Question 2: Which content categories accumulated over 100,000 total views during the third quarter of 2024? This analysis will help identify the genres that are attracting a high volume of viewer engagement.

```
WITH q3 AS (  
  SELECT  
    category,  
    views,  
    SUM(views) OVER (PARTITION BY category ORDER BY view_date)  
  AS accumulated_views  
  FROM content_views_daily_agg  
  WHERE TO_CHAR(view_date, 'YYYY-MM') IN ('2024-07', '2024-08', '2024-09')  
)  
SELECT DISTINCT category  
FROM q3  
WHERE accumulated_views > 100000;
```





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Question 3: In September 2024, for content categories that received more than 500,000 aggregated views, what is the total views for the month for each content category?

```
WITH sep AS (  
  SELECT  
    category,  
    views,  
    SUM(views) OVER (PARTITION BY category ORDER BY view_date)  
  AS accumulated_views  
  FROM content_views_daily_agg  
  WHERE TO_CHAR(view_date, 'YYYY-MM') = '2024-09'  
)  
over500 AS (  
  SELECT *  
  FROM sep  
  WHERE accumulated_views > 500000  
)  
  
SELECT  
  category,  
  MAX(accumulated_views) AS max_accumulated_views  
FROM over500  
GROUP BY category;
```

