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Python for Business Analytics: SQL Check-up
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Given the two data tables below, please provide SQL queries for the following questions. If needed, you can segment your answer into more than one query.

Viewership Table: fact_view

Field	Data Type
video_id	varchar
session_id	varchar
date	timestamp
user_id	varchar
seconds_watched	int

Series Metadata Table: dim_video

Field	Data Type
video_id	varchar
episode_name	varchar
episode_number	int
season_number	int
series_name	varchar
runtime_seconds	int
genre	varchar

SQL Project
Question 1 : How many unique viewers did the Game of Thrones & Westworld garner in the past 7 days? [hint: use series_names]
Query1:

select count(distinct VW.user_id) as UniqueViewers
from fact_view VW JOIN dim_video V ON (VW.video_id=V.video_id)
where V.series_name IN ('Game of Thrones','Westworld gamer')
and VW.date between DATE(NOW() - INTERVAL 7 DAY) AND DATE(NOW());

Question2: What is the average completion rate (seconds watched divided by runtime) for the first episode of every series?
Query 2

select V.series_name, ROUND(SUM(VW.seconds_watched) / MAX(V.runtime_seconds),2) as AvgCompletionRate
from fact_view VW JOIN dim_video V ON (VW.video_id=V.video_id)
where V.episode_number=1
Group by V.series_name;

Extra Credit:
Question 3: What is the 2nd most watched episode per genre in terms of minutes watched?
Query 3

Select genre, episode_number, MinutesWatched, RANK() OVER (ORDER BY MinutesWatched) as Rank
from
(
      select V.genre as genre, V.episode_number as episode_number,
      (SUM(VW.seconds_watched)/60) as
      MinutesWatched
      from fact_view VW JOIN dim_video V ON (VW.video_id=V.video_id)
      Group by V.genre, V.episode_number
) A
Where Rank=2;