

Laptop vs. Mobile Viewership [New York Times SQL Interview Question]

This is the same question as problem #3 in the SQL Chapter of [Ace the Data Science Interview!](#)

Assume you're given the table on user viewership categorised by device type where the three types are laptop, tablet, and phone.

Write a query that calculates the total viewership for laptops and mobile devices where mobile is defined as the sum of tablet and phone viewership. Output the total viewership for laptops as `laptop_reviews` and the total viewership for mobile devices as `mobile_views`.

Effective 15 April 2023, the solution has been updated with a more concise and easy-to-understand approach.

`viewership` Table

Column Name	Type
<code>user_id</code>	integer
<code>device_type</code>	string ('laptop', 'tablet', 'phone')
<code>view_time</code>	timestamp

`viewership` Example Input

<code>user_id</code>	<code>device_type</code>	<code>view_time</code>
123	tablet	01/02/2022 00:00:00
125	laptop	01/07/2022 00:00:00
128	laptop	02/09/2022 00:00:00
129	phone	02/09/2022 00:00:00
145	tablet	02/24/2022 00:00:00

Example Output

laptop_views	mobile_views
2	3

Explanation

Based on the example input, there are a total of 2 laptop views and 3 mobile views.

The dataset you are querying against may have different input & output - **this is just an example!**