

## 25 SQL practice problems with solutions:

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### 1. Cancellation rates

From the following table of user IDs, actions, and dates, write a query to return the publication and cancellation rate for each user.

users

user_id	action	date
1	start	1-1-20
1	cancel	1-2-20
2	start	1-3-20
2	publish	1-4-20
3	start	1-5-20
3	cancel	1-6-20
4	start	1-7-20

Desired output

user_id	publish_rate	cancel_rate
1	0.5	0.5
2	1.0	0.0
3	0.0	1.0

```
WITH users (user_id, action, date)
AS (VALUES
(1, 'start', CAST('01-01-20' AS date)),
(1, 'cancel', CAST('01-02-20' AS date)),
(2, 'start', CAST('01-03-20' AS date)),
(2, 'publish', CAST('01-04-20' AS date)),
(3, 'start', CAST('01-05-20' AS date)),
(3, 'cancel', CAST('01-06-20' AS date)),
(1, 'start', CAST('01-07-20' AS date)),
(1, 'publish', CAST('01-08-20' AS date))),
-- retrieve count of starts, cancels, and publishes for each user
AS (
SELECT user_id,
```

# Sql Practice Problems With Solutions

**JL Elias**



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