What is the result of this MySQL query?

select count(\*) as ct from ( select 142 as user\_id union all select 143 as user\_id ) x ;

This query gives the total number of records in the outcome selected as user\_id. It can include duplicate values as union all does not remove duplicates.

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Assuming there are no syntax errors and the table names and columns names are correct, what is wrong with this MySQL query? For every user we have, this is supposed to return the number of messages they sent.

select u.user\_id, sum(case when um.message\_id is not null then 1 else 0 end) as number\_of\_messages\_sent

from users u

left join users\_messages um

on um.user\_id = u.user\_id

where um.status = 'sent' group by u.user\_id;

What's wrong?

The problem with this query is that it doesn't return every user as the WHERE clause filters out the users that did not send any messages. But the question asks for every user the query returns the number of messages they sent. That means that for the users that did not send any messages the query should return 0. Therefore it might even return an error because of the null condition in the CASE WHEN in the SELECT statement.