

# SQL Advent Calendar

The North Pole Network wants to see who's the most active in the holiday chat each day....

Question 1: The North Pole Network wants to see who's the most active in the holiday chat each day. Write a query to count how many messages each user sent, then find the most active user(s) each day. If multiple users tie for first place, return all of them.

```
select user_name,
       num_msgs_per_user
    from(
  with active_user as(
select user_name,date(sent_at)as sent_at,
       count(message_id) as num_msgs_per_user
  from npn_messages m
 left JOIN
npn_users u on u.user_id=m.sender_id
 group by user_name,date(sent_at))
 select user_name,
       num_msgs_per_user,
       rank() over (partition by sent_at order by num_msgs_per_user
desc )active_rank
  from active_user)
 where active_rank=1;
;
```

