

```
mysql> SELECT
->     mr.message_id,
->     u.username,
->     e.name AS emoji_name
-> FROM message_reaction mr
-> JOIN user u ON mr.user_id = u.user_id
-> JOIN emoji e ON mr.emoji_id = e.emoji_id
-> WHERE mr.message_id = 1;
```

message_id	username	emoji_name
1	greatbigpurple	thumbs up
1	iamthedude	thumbs up
1	justice4all	thumbs up
1	greatbigpurple	100 percent
1	justice4all	happy face
1	nothingspecial	happy face

6 rows in set (0.00 sec)

```
mysql>
```

```
mysql> SELECT
->     mr.message_id,
->     e.name AS emoji_name,
->     COUNT(mr.emoji_id) AS count
-> FROM message_reaction mr
-> JOIN emoji e ON mr.emoji_id = e.emoji_id
-> WHERE mr.message_id = 1
-> GROUP BY mr.message_id, e.name;
```

message_id	emoji_name	count
1	thumbs up	3
1	100 percent	1
1	happy face	2

3 rows in set (0.00 sec)

```
mysql>
```

```
mysql> WITH MessageEmojiCount AS (
->   SELECT
->     mr.message_id,
->     COUNT(mr.emoji_id) AS total_emojis
->   FROM message_reaction mr
->   GROUP BY mr.message_id
-> )
-> SELECT mec.message_id, mec.total_emojis
-> FROM MessageEmojiCount mec
-> WHERE mec.total_emojis = (SELECT MAX(total_emojis) FROM MessageEmojiCount);
```

message_id	total_emojis
1	6

1 row in set (0.00 sec)

```
mysql> WITH RoomEmojiCount AS (
->   SELECT
->     ru.room_id,
->     COUNT(mr.emoji_id) AS total_emojis
->   FROM message_reaction mr
->   JOIN message m ON mr.message_id = m.message_id
->   JOIN room_user ru ON m.room_user_id = ru.room_user_id
->   GROUP BY ru.room_id
-> )
-> SELECT rec.room_id, rec.total_emojis
-> FROM RoomEmojiCount rec
-> WHERE rec.total_emojis = (SELECT MAX(total_emojis) FROM RoomEmojiCount);
```

room_id	total_emojis
4	6

1 row in set (0.00 sec)