

– Q1 - Snir Kril

-- a

```
select
id
from tags
where
lower(TagName) = 'sql'
;
```

-- b

```
select count(distinct Id) as users_count
from users
;
```

-- c

```
select u.Id
from users as u
left join posts as p
      on p.OwnerUserId = u.Id
where p.OwnerUserId is null
;
```

-- d

```
Create view cc as
select p.Id, count(c.Id) as comments_count
from posts as p
left join comments as c
      on p.Id = c.PostId
group by p.Id
;
```

-- e

```
select comments_count, count(PostId) as posts_count
from(
      select PostId, count(*) as comments_count..
      from comments
      group by PostId) as cc
group by comments_count
order by comments_count ..
;
```

-- f

```
– option 1 - without using the view in d
select comments_count, count(PostId) as posts_count
from (
      select p.Id, count(c.Id) as comments_count
      from posts as p
```

```
        left join comments as c
            on p.Id = c.PostId
        group by p.Id) as cw0
group by comments_count
order by comments_count
;
```

– option 2 - it is better because it saves time- using the view from d

```
Select comments_count, count(*) as total_posts_count
```

```
From cc
```

```
Group by comments_count
```

```
Order by comments_count
```

```
;
```

-- g

```
select v1.PostId, v2.PostId, count(*) as same_users_count
```

```
from votes as v1
```

```
join votes as v2
```

```
    on v1.UserId = v2.UserId
```

```
where v1.PostId <> v2.PostId
```

```
group by v1.PostId, v2.PostId
```

```
having same_users_count > 10
```

```
;
```