

– Q1 - Snir Kril

-- a

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

-- b

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

-- c

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

;