

Question 1

A.

```
Select name  
From  
movies  
where  
id = 7;
```

B

```
Select max(m.rank)  
From imdb_ijs.movies as m  
;
```

C.

```
SELECT  
distinct r1.role  
FROM  
imdb_ijs.roles as r1  
LEFT JOIN(  
select  
DISTINCT r.role  
FROM  
imdb_ijs.roles AS r  
JOIN  
imdb_ijs.movies_genres AS mg  
ON  
r.movie_id = mg.movie_id  
WHERE  
mg.genre = 'Comedy') AS comedy_roles  
ON  
r1.role = comedy_roles.role  
WHERE  
comedy_roles.role IS NULL  
;
```

D.

```
select r.actor_id  
, count(distinct mg.genre) as genres  
from  
imdb_ijs.roles as r  
join  
imdb_ijs.movies_genres as mg
```

```
on
r.movie_id = mg.movie_id
group by r.actor_id
;
```

E.

```
select actors
, count(*) as movies
from (
select
movie_id
, count(distinct actor_id) as actors
from
imdb_ijs.roles
group by
movie_id ) as inSql
group by actors
order by actors
;
```

F.

```
select actors
, count(*) as movies
from (
select
m.id
, count(distinct actor_id) as actors
from
imdb_ijs.movies as m
left join
imdb_ijs.roles as r
on
m.id = r.movie_id
group by
m.id) as inSql
group by actors
order by actors
;
```

G.

```
select
fmd.director_id
```

```

, smd.director_id
, count(fm.id) as movies
, group_concat(fm.name) as movies_names # optional
from
imdb_ijs.movies_directors as fmd
join
imdb_ijs.movies as fm
on
fmd.movie_id = fm.id
join
imdb_ijs.movies as sm
on
fm.name = sm.name
join
imdb_ijs.movies_directors as smd
on
sm.id = smd.movie_id
# Optional
where
fmd.director_id != smd.director_id # avoid reflexivity
and
fmd.director_id > smd.director_id # avoid symmetry
group by
fmd.director_id
, smd.director_id
;

```

H.

```

select max(roles)
from (
select
movie_id
, actor_id
, count(*) as roles
from
imdb_ijs.roles
group by
movie_id
, actor_id
) as inSql
;

```

I.

```

select

```

```

d.first_name
, d.last_name
, count(distinct md.movie_id) as directed_movies
, count(*) as roles
, count(distinct r.role) as different_roles
from
imdb_ijs.directors as d
join
imdb_ijs.movies_directors as md
on
d.id = md.director_id
join
imdb_ijs.roles as r
on
md.movie_id = r.movie_id
join
imdb_ijs.actors as a
on
r.actor_id = a.id
and # Note - uncommon condition not on the previous table but the first one
d.first_name = a.first_name
and d.last_name = a.last_name
group by
d.first_name
, d.last_name
order by
count(*) desc
;

```