1) Find the country with the fourth most video_views

```
SELECT country, sum(video_views) as total_views_per_country
from youtubers_table
JOIN dim_countries
USING (youtuber_id)
GROUP by country
ORDER BY total_views_per_country DESC
limit 3, 1;
```

country	total_views_per_country
USA	28326665

2) Find the oldest country on youtube (The country with the most YouTubers starting in the most senior year)

```
SELECT country, count(*) as total_number_of_youtubers
from youtubers_table
JOIN dim_countries
USING (youtuber_id)
where started = (SELECT min(started) from youtubers_table)
GROUP by country
ORDER BY total_number_of_youtubers DESC
limit 1;
```

country	total_number_of_youtubers
Brazil	13

3) Fetch the first 3 youtubers from each category who have the most video_views

```sql
select * from (
select * ,
rank() over(partition by category order by video_views desc) as rnk
from youtubers_table) t
where t.rnk <= 3;
```

Youtuber_id	Youtuber	subscribers	video_views	category	started	rnk
410	Ariel Richardson	26700	493895	Education	2019	1
447	Sarah Cardenas	76600	493705	Education	2017	2
1109	Cheryl Thomas	23300	491712	Education	2016	3
1466	Kelly Rosario	18000	495223	Entertainment	2012	1
623	Stephanie Jones	24700	493362	Entertainment	2016	2
455	James Alvarado	11500	479306	Entertainment	2014	3
243	Dawn Perkins	72000	491058	Film & Animation	2013	1
1114	Drew Johnson	29100	489595	Film & Animation	2017	2
314	Aaron Jones	94600	486409	Film & Animation	2017	3
531	Carlos Mccoy	25200	499232	Gaming	2011	1
1448	Michael Howell	56700	497667	Gaming	2012	2
702	Melinda Turner	55700	496869	Gaming	2017	3
1230	Rachel Bowers	13300	499201	Howto & Style	2019	1
819	Shawn Villa	37100	499114	Howto & Style	2012	2
622	Keith Charles	76600	498737	Howto & Style	2018	3
1342	Angela Elliott	44600	499693	Music	2013	1
310	Rachael Sexton	34000	490410	Music	2011	2
1496	Steven Moreno	89600	489771	Music	2016	3
164	Terry Clark	70200	496347	People & Blogs	2012	1
739	Edward Hill DDS	75500	491176	People & Blogs	2019	2
1072	Alexander Aguilar	12800	491032	People & Blogs	2012	3
1124	Rhonda Camp...	52700	497426	Shows	2013	1
540	Trevor Rubio	13500	496399	Shows	2013	2
613	Alejandro Davis	40300	495805	Shows	2014	3
636	Candace Riley	95400	499831	Sports	2015	1
544	Michael Poole	89200	497647	Sports	2017	2
1121	John Harrington	89200	490973	Sports	2019	3

4) Find the youtuber who started in 2016 and made more money

```sql
with money_earned_per_youtuber (youtuber_id, youtuber, category,
money_earned) as
(select youtuber_id, youtuber, category, video_views/1000 *
money_earned_per_1k_views
from youtubers_table
join dim_category
using (category)
where started = 2016)
select * from money_earned_per_youtuber
order by money_earned desc
limit 1;
```

youtuber_id	youtuber	category	money_earned
623	Stephanie Jones	Entertainment	296.017200

5) We can qualify the youtubers who have more views than the average of their category of good youtubers. Otherwise, they are qualified as bad youtubers. Fetch the number of good and bad youtubers per category.

```sql
with average_views_per_category(youtuber_id, youtuber, category,
video_views, average_views) as
(select youtuber_id,
        youtuber,
        category,
        video_views,
        avg(video_views) over(partition by category)
 from youtubers_table)

SELECT category,
  SUM(CASE WHEN video_views > average_views THEN 1 ELSE 0 END) AS
good_youtubers,
  SUM(CASE WHEN video_views < average_views THEN 1 ELSE 0 END) AS
bad_youtubers
FROM average_views_per_category
group by category;
```

category	good_youtubers	bad_youtubers
Education	95	84
Entertainment	80	76
Film & Animation	77	78
Gaming	94	92
Howto & Style	98	87
Music	79	72
People & Blogs	83	72
Shows	88	87
Sports	79	79