

Milestone 2

CNIT 372

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10 Questions:

1. What Youtuber is number 1 in the USA
 - a. Knowledge: Use of joining tables, use of subqueries
 - b. Who will it help: Subscribers looking for a new youtuber to watch in their country
2. What is the current subscriber count for MrBeast?
 - a. Knowledge: Use of Where
 - b. Who will it help: MrBeast and his subscribers
3. What youtuber has had the lowest/highest monthly earning?
 - a. Knowledge: Use of subqueries, use of joining tables
 - b. Who will it help: The youtuber
4. On average, what youtuber makes the most monthly earnings?
 - a. Knowledge: Use of aggregate functions
 - b. Who will it help: The youtuber
5. Create a procedure to identify the top the countries with the highest population and therefore highest potential viewership
 - a. Knowledge: Uses aggregate functions and PL/SQL procedures to identify which countries have the highest viewer counts

- b. Who will it help: Will offer insights into what countries, and as a result what language/culture has the highest viewership which can influence their decision about which country/language/culture to cater towards
- 6. Building off of question 5, further use aggregate functions and group by to identify which categories of channels have the highest viewer counts within the countries with the top viewership
 - a. Knowledge: use of aggregate functions and group by
 - b. Who will it help: Can help aspiring youtuber to determine what types of videos are the most popular in a country that they decide to cater their content towards
- 7. Determine the average subscribers gained in the past 30 days for different categories of channels as well as countries using a procedure to organize the information
 - a. Knowledge: uses a procedure to display information about numbers of new subscribers across various metrics such as category or country
 - b. Who will it help: An aspiring youtuber can use all of the information cross reference with itself to determine what type of videos may be most successful in the future
- 8. Calculate the AVERAGE view_count for each age_group. SELECT the age group and the VIEW_COUNT.
 - a. Knowledge: Uses AVG() and JOIN statement to calculate the average_view_count
 - b. Who will it help: It will help youtubers identify what range of age groups are most engaged with their videos.

9. CREATE a PROCEDURE that outputs the videoID, view count and the dislike-like ratio of a youtuber given the youtuberID.

- a. Knowledge: Uses CREATE and PROCEDURE with PL/SQL statements.
- b. Who will it help: It will help youtubers view their dislike-like ratio for all of their recorded videos.

10. CREATE a FUNCTION, given the YoutuberID, that outputs the count of videos made, and most frequent genre of videos. The output must be in the form of:

‘<youtuberID> has made <count_videos> videos’

‘The most frequently used genre is <frequent_genre>’

- a. Knowledge: It uses PL/SQL statements to create a function that outputs the count_videos and frequent_genre. The code uses FUNCTION, CREATE OR REPLACE, LOOP, and other PL/SQL statements.
- b. Who will it help: It would help journalists or data visualizers, as the function would take a tedious task and would simplify it into a formatted output.

Name:	Contribution
Yotoo Joo	Wrote the question and the descriptions for question 8, 9, and 10
Owen Pifer	Wrote the questions, knowledge, and who it would help for questions 1 through 4
J.P. McKenney	Wrote questions 5, 6, and 7 and corresponding knowledge from class required and how it

	would help
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