



# DATABASE DESIGN & PROGRAMMING WITH SQL PROJECT TEMPLATE

Project scope read here:

<https://docs.google.com/document/d/1fRFa3E4YII4g6DeIUEEr85GIEgw8hC-1YJMCi6SForA/edit?usp=s haring>

## 1. DATA DIVE

### Difficulties Encountered

*( List and Briefly explain any difficulties (3 or more ) and 1 interesting thing you noticed about your chosen dataset.)*

1. For example : Data Formatting Issues:

Sometimes, CSV files contain special characters or inconsistent formatting that can cause errors during import. For example, missing values or incorrect date formats .

2.

3.

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### Interesting Discovery:

It was interesting to .....

## 2. THE DATA FUN.

*Use SQL queries to study the data*

For Example:

1. Finding the most common genre( e.g Romance & Comedy)

```
SELECT listed_in, COUNT(*) AS count
FROM netflix_titles
GROUP BY listed_in
ORDER BY count DESC;
```

### Cool Facts Discovered 2 or more:

For example :

1. Young people actually don't prefer watching cartoons: Because ..... Then you explain further.
2. .
3. .
4. .
5. .

Use basic SQL queries like (COUNT, AVG, and SUM) to understand more about the data you have.

For example:

1. Finding the total number of shows per country; the total number of shows is South Africa with 17 shows followed by Kenya with 13 shows. (provide the code below).

```
SELECT country, COUNT(*) AS total_shows
FROM netflix_title
GROUP BY country
ORDER BY total_shows DESC;
```

2.

3.

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### 3. ASK AWAY

*Formulate 2 questions about the data (e.g., what are popular shows in different countries?). With those 2 questions write basic SQL queries (WHERE, ORDER BY) to find answers.*

**For example the following are the question with its findings;**

- a) Which movie featured instructor Gerald as a director? There is a total of 4 shows

```
SELECT director, COUNT(*) AS count  
FROM netflix_titles  
WHERE director = 'Gerald';
```

- b) .
- c) .
- d) .

Lastly share what you learned from the answers e.g:

**What I have learned from the dataset.**

- a)** Identifying the most common genre helps us understand the predominant type of content on Netflix.
- b) .
- c) .
- d) .
- e) At least 5 or more

## **Graph Visualization**

**Use your analysis information in document that you would have created to form a pitch deck instructor Nelly taught you how to do it properly.**

# 1. **How to submit:**

## **Pitch deck Presentation :**

- Prepare a short pitch deck presentation to showcase your work example structure:
  - Introduce the dataset and your goals.
  - Briefly explain the import process and the **interesting thing** you found.
  - Share the **2 cool facts** you discovered.
  - Discuss your questions, SQL queries, and what you learned.
  - Present your charts and explain their meaning.
  - Briefly summarise your project.

## 2. **GitHub Repository:**

- Create a public GitHub repository and upload the following:
  - A document ( MS Word/ Textfile) containing all your SQL queries.