

Day71 - April 16th 2024

1. Started my day as usual
2. Solved **23. Merge k Sorted Lists** on leetcode

My solution and explanation :

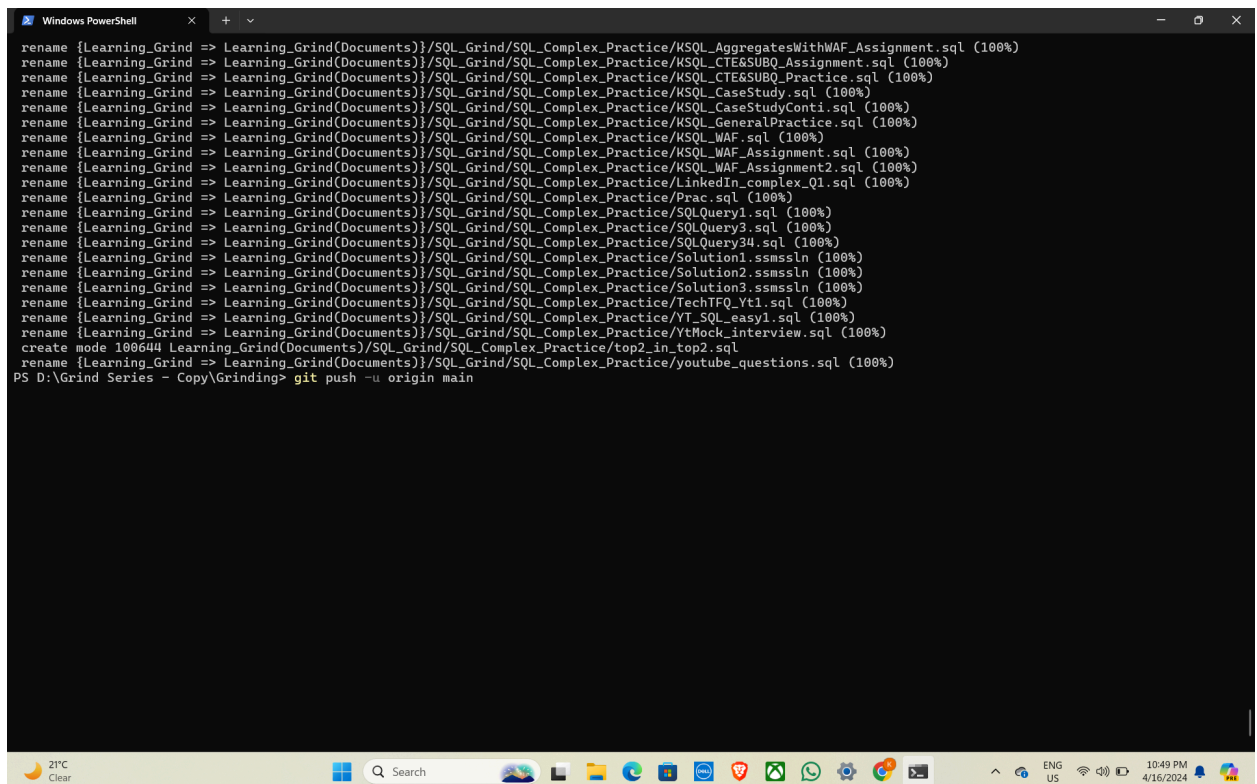
<https://docs.google.com/document/d/10OZtOqlzoFJA3aZIY19Pa5HIZfk5EdJuMVd2FhsTnKo/edit?usp=sharing>

3. Also worked on data transformation part 2

Find doc here :

https://docs.google.com/document/d/1s_lt5uSqWj--63yqpc_raJvMsva1OHJRif3Wkw6Gjs/edit?usp=sharing

4. Have worked on my Grind GIT repo



```
Windows PowerShell
rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/MSQL_AggregatesWithWAF_Assignment.sql (100%)
rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/MSQL_CTE&SUBQ_Assignment.sql (100%)
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rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/MSQL_CaseStudy.sql (100%)
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rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/MSQL_GeneralPractice.sql (100%)
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rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/SQLQuery34.sql (100%)
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rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/Solution3.ssmssl (100%)
rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/TechIQ_Yt1.sql (100%)
rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/YT_SQL_easy1.sql (100%)
rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/YtMock_interview.sql (100%)
create mode 100644 Learning_Grind/Documents}/SQL_Grind/SQL_Complex_Practice/top2_in_top2.sql
rename {Learning_Grind => Learning_Grind/Documents}}/SQL_Grind/SQL_Complex_Practice/youtube_questions.sql (100%)
PS D:\Grind Series - Copy\Grinding> git push -u origin main
```

5. Ended my day by solving medium question on hackerrank

The screenshot shows a web browser window with the HackerRank website. The page title is "Average Population of Each Continent". The URL is `hackerrank.com/challenges/average-population-of-each-continent/problem?isFullScreen=true`. The page is in full-screen mode.

Problem Statement: Given the **CITY** and **COUNTRY** tables, query the names of all the continents (COUNTRY.Continent) and their respective average city populations (CITY.Population) rounded down to the nearest integer.

Note: CITY.CountryCode and COUNTRY.Code are matching key columns.

Input Format: The **CITY** and **COUNTRY** tables are described as follows:

CITY Table:

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

COUNTRY Table:

Field	Type
CODE	VARCHAR2(3)
NAME	VARCHAR2(44)

SQL Query:

```
1 Select Country.Continent, FLOOR(AVG(City.Population)) From CITY INNER JOIN COUNTRY ON CITY.CountryCode = COUNTRY.Code GROUP BY COUNTRY.Continent;
```

Submission: The user has submitted the query. The status is "Solved". The user has earned 10.00 points! (48/58 challenges solved). The progress is 83%.

Congratulations: You solved this challenge. Would you like to challenge your friends? (Facebook, Twitter, LinkedIn icons). A "Next Challenge" button is available.

AI Assistant: AI Assistant is here to help!

System Tray: 21°C Clear, Search, 11:13 PM, 4/16/2024.