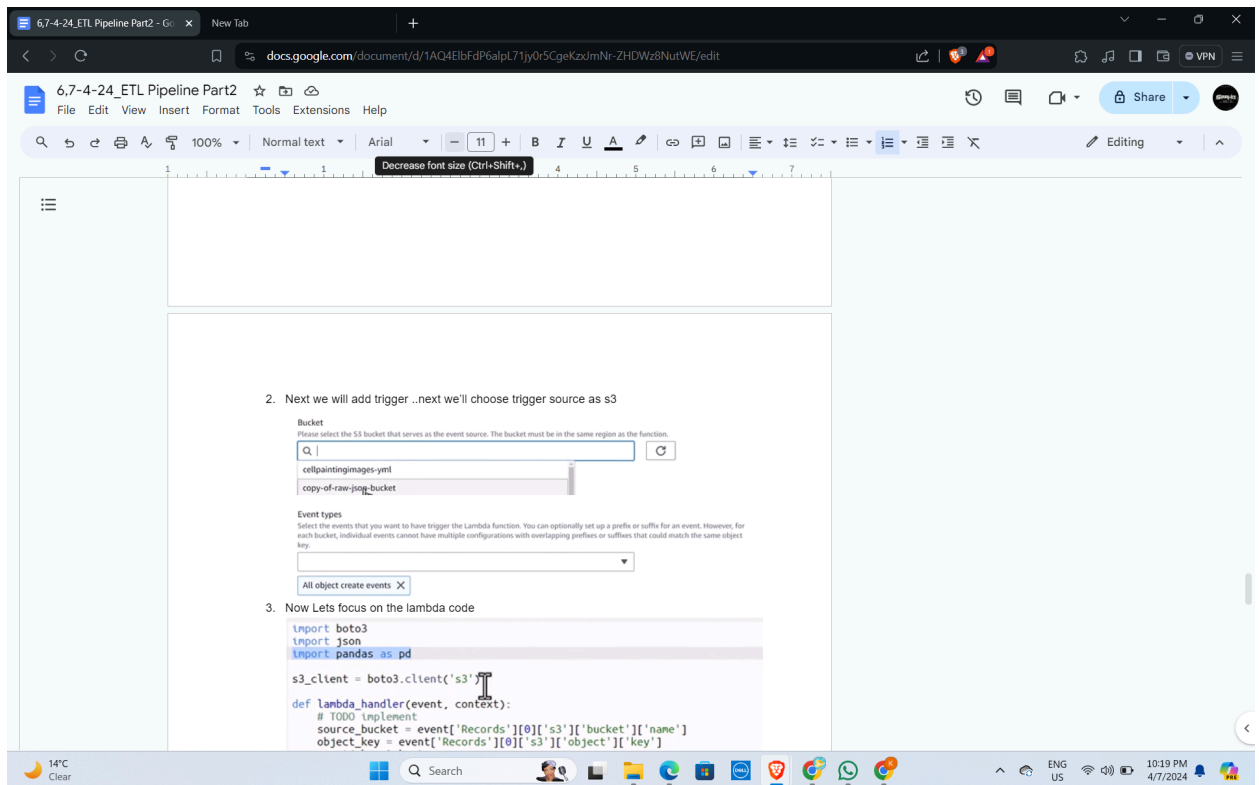


Day62 - April 7th 2024

1. Started my day early
2. Solved leetcode medium problem **19. Remove Nth Node From End of List**
3. Please find the solution link here: [4-7-24_Kth node from end LL](#)
4. Implemented data engineer pipeline on AWS cloud



Pls find the doc here : [6,7-4-24_ETL Pipeline Part2](#)

5. Ended my by solving complex SQL question from Hackerrank

The screenshot shows the Hackerrank interface for the 'Symmetric Pairs' challenge. The problem description states: 'You are given a table, Functions, containing two columns: X and Y. Two pairs (X_1, Y_1) and (X_2, Y_2) are said to be symmetric pairs if $X_1 = Y_2$ and $X_2 = Y_1$. Write a query to output all such symmetric pairs in ascending order by the value of X. List the rows such that $X_1 \leq Y_1$.' A sample input table is provided with columns X and Y containing values: (20, 20), (20, 20), (20, 21), (23, 22), (22, 23), and (21, 20). The SQL query entered is:

```
select f1.X, f1.Y from functions f1
inner join functions f2 on f1.X = f2.Y and f1.Y = f2.X
group by f1.X, f1.Y
having count(f1.X)>1 or f1.X < f1.Y
order by f1.X
```

 The interface shows 'Congratulations!' and 'You have passed the sample test cases.' The sample test case output is:

```
1 2 24
2 4 22
3 5 21
4 6 20
5 8 18
```

Problem

You are given a table, Functions, containing two columns: X and Y.

Column	Type
X	Integer
Y	Integer

Two pairs (X_1, Y_1) and (X_2, Y_2) are said to be symmetric pairs if $X_1 = Y_2$ and $X_2 = Y_1$. Write a query to output all such symmetric pairs in ascending order by the value of X. List the rows such that $X_1 \leq Y_1$.

Sample Input

X	Y
20	20
20	20
20	21
23	22
22	23
21	20

SQL

```
select f1.X, f1.Y from functions f1
inner join functions f2 on f1.X = f2.Y and f1.Y = f2.X
group by f1.X, f1.Y
having count(f1.X)>1 or f1.X < f1.Y
order by f1.X
```

Run Code **Submit Code**

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Your Output (stdout)

```
1 2 24
2 4 22
3 5 21
4 6 20
5 8 18
```

6.