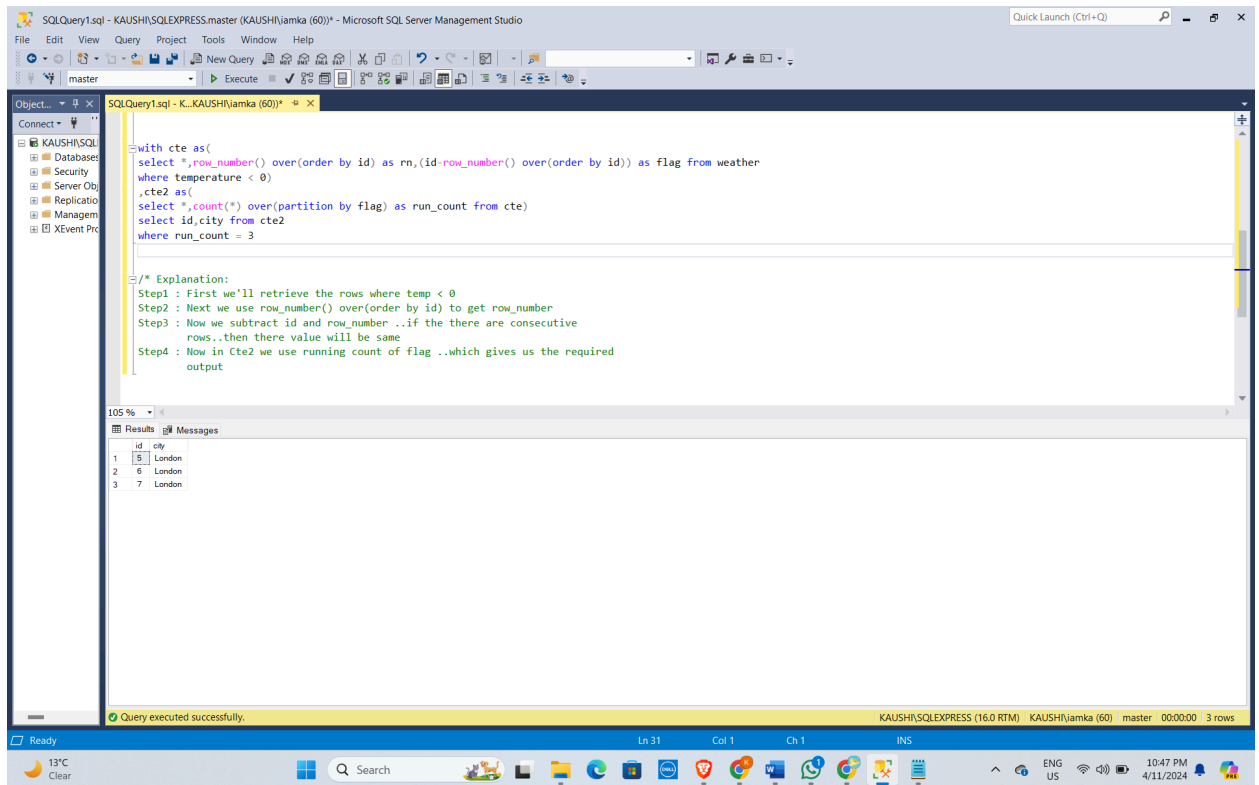


Day77 - April 22nd 2024

1. Started my day as usual
2. Started solving valid parenthesis problem on leetcode



The screenshot shows the Microsoft SQL Server Management Studio interface. The main window displays a SQL query in the 'SQLQuery1.sql' file. The query is a CTE-based query designed to find consecutive rows in a table named 'weather' where the temperature is less than 0. The query uses 'row_number()' to assign sequential IDs to rows ordered by 'id', and then uses a second CTE to count consecutive rows where the difference between 'id' and 'row_number' is 0. The results pane shows three rows of data: (5, London), (6, London), and (7, London).

```
with cte as(
select *,row_number() over(order by id) as rn,(id-row_number() over(order by id)) as flag from weather
where temperature < 0)
,cte2 as(
select *,count(*) over(partition by flag) as run_count from cte)
select id,city from cte2
where run_count = 3
```

/* Explanation:
Step1 : First we'll retrieve the rows where temp < 0
Step2 : Next we use row_number() over(order by id) to get row_number
Step3 : Now we subtract id and row_number ..if the there are consecutive
rows..then there value will be same
Step4 : Now in Cte2 we use running count of flag ..which gives us the required
output

id	city
5	London
6	London
7	London

Query executed successfully.

Please find the doc here :

https://docs.google.com/document/d/1RH60LEKY2W5IBsRmj1LagmNvuei8Dw8A_PnkzNHfIS0/edit?usp=sharing

The image is a composite of two screenshots. The left screenshot shows a YouTube video player with the title "Master Azure Databricks CI/CD in 2 Hours with Azure DevOps | Full End-to-End CI/CD Project in Azure" by "Mr. K Talks Tech". The video has 22K views and was posted 6 months ago. The right screenshot shows a Google Docs document titled "4-21,22-24_Azure Databricks CI/CD". The document contains two screenshots of the Azure DevOps interface. The top screenshot shows the "Service connections" section with a "New Azure service connection" dialog box open. The bottom screenshot shows the "Service connections" section with a list of connections. Below the screenshots, the document text reads: "9. Next we will give all the required permissions for our CI/CD pipeline".

4. Ended my by solving a SQL question from ANkit bansal youtube

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
create table family
(
    person varchar(5),
    type varchar(10),
    age int
);
delete from family ;
insert into family values ('A1','Adult',54),
('A2','Adult',53),('A3','Adult',52),('A4','Adult',58),('A5','Adult',54),('C1','Child',20),('C2','Child',19),('C3','Child',22),('C4','Child',15);
--Q : Pair the Adult and children from the table family
select * from family ;
```

The Results pane shows the output of the query, displaying 9 rows of data:

person	type	age
A1	Adult	54
A2	Adult	53
A3	Adult	52
A4	Adult	58
A5	Adult	54
C1	Child	20
C2	Child	19
C3	Child	22
C4	Child	15

The status bar at the bottom indicates "Query executed successfully." and "9 rows".

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
with cte as(
select *,row_number() over(partition by type order by person) as rn from family)
select STRING_AGG(person,',') within group (order by person)as Pair from cte
group by rn
--Explanation:
Step1 : Just added row_numbers to Adult and children by partitioning them
Step2 : Used String_AGG on person and grouped by on rn
if rn = 1..then we'll pair the adult and child
```

The Results pane shows the output of the query, displaying 5 rows of data:

Pair
A1,C1
A2,C2
A3,C3
A4,C4
A5

The status bar at the bottom indicates "Query executed successfully." and "5 rows".