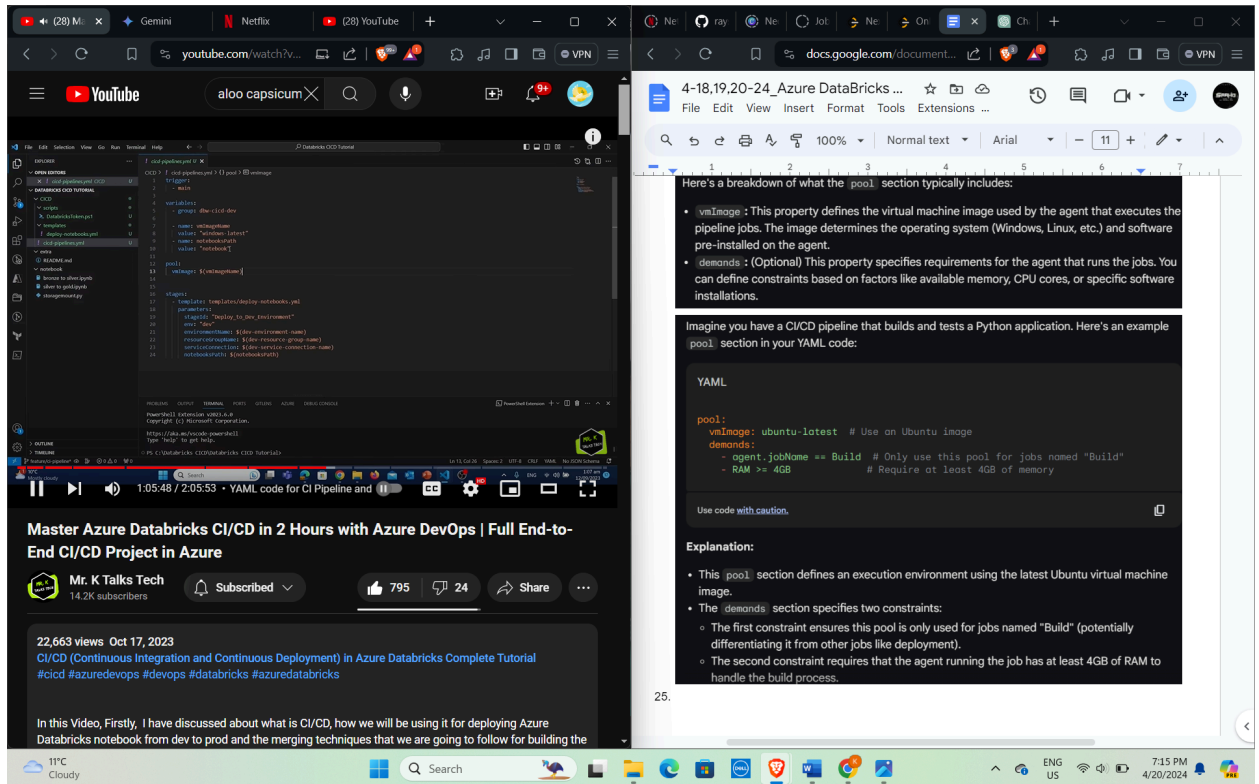


Day75 - April 20th 2024

1. Started my day as usual
2. Solved one easy leetocode problem
3. Learning YAML code for creating CICD pipeline project



Pls find the doc here :

[https://docs.google.com/document/d/1pe1ODyw0HgIJQHxUiPrZTaWc3Mb\\_v-G3Vfjkg4kkXkU/edit?usp=sharing](https://docs.google.com/document/d/1pe1ODyw0HgIJQHxUiPrZTaWc3Mb_v-G3Vfjkg4kkXkU/edit?usp=sharing)

#### 4. Ended my day by solving complex SQL question on youtube

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

```
create table input (  
    id int,  
    formula varchar(10),  
    value int  
)  
  
insert into input values (1,'1+4',10),(2,'2+1',5),(3,'3-2',40),(4,'4-1',20);  
  
--Q : Given the formula find the new value for each id  
-- newvalue(1+4) = id(1+4) = 30  
select * from input;
```

The Results pane shows the following data:

id	formula	value
1	1+4	10
2	2+1	5
3	3-2	40
4	4-1	20

The status bar at the bottom indicates "Query executed successfully." and "KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\jamka (60) master 00:00:00 4 rows".

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

```
select * from input;  
  
with cte as(  
    select *,left(formula,1) as id1, right(formula,1) as id2,SUBSTRING(formula,2,1) as op from input)  
select c1.id,c1.formula,c1.value,  
    case when op = '+' then ip1.value + ip2.value  
    when op = '-' then ip1.value - ip2.value end as newvalue  
from cte c1  
inner join input ip1 on c1.id1 = ip1.id  
inner join input ip2 on c1.id2 = ip2.id  
  
/* Explanation:  
Step1 : First we have used Left function to retrieve left part of id from the formula  
similarly we used right function to retrieve right part of id from the formula  
To retrieve operator we used substring and framed it in CTE  
Step2 : Now we used inner join on cte and input table on c1.id1 and ip1.id to get the  
left part's formula id's value  
Step3 : Similarly used inner join on cte and input table on c1.id2 and ip1.id to get  
right part's formula id's value
```

The Results pane shows the following data:

id	formula	value	newvalue
1	1+4	10	20
2	2+1	5	15
3	3-2	40	35
4	4-1	20	10

The status bar at the bottom indicates "Query executed successfully." and "KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\jamka (60) master 00:00:00 4 rows".