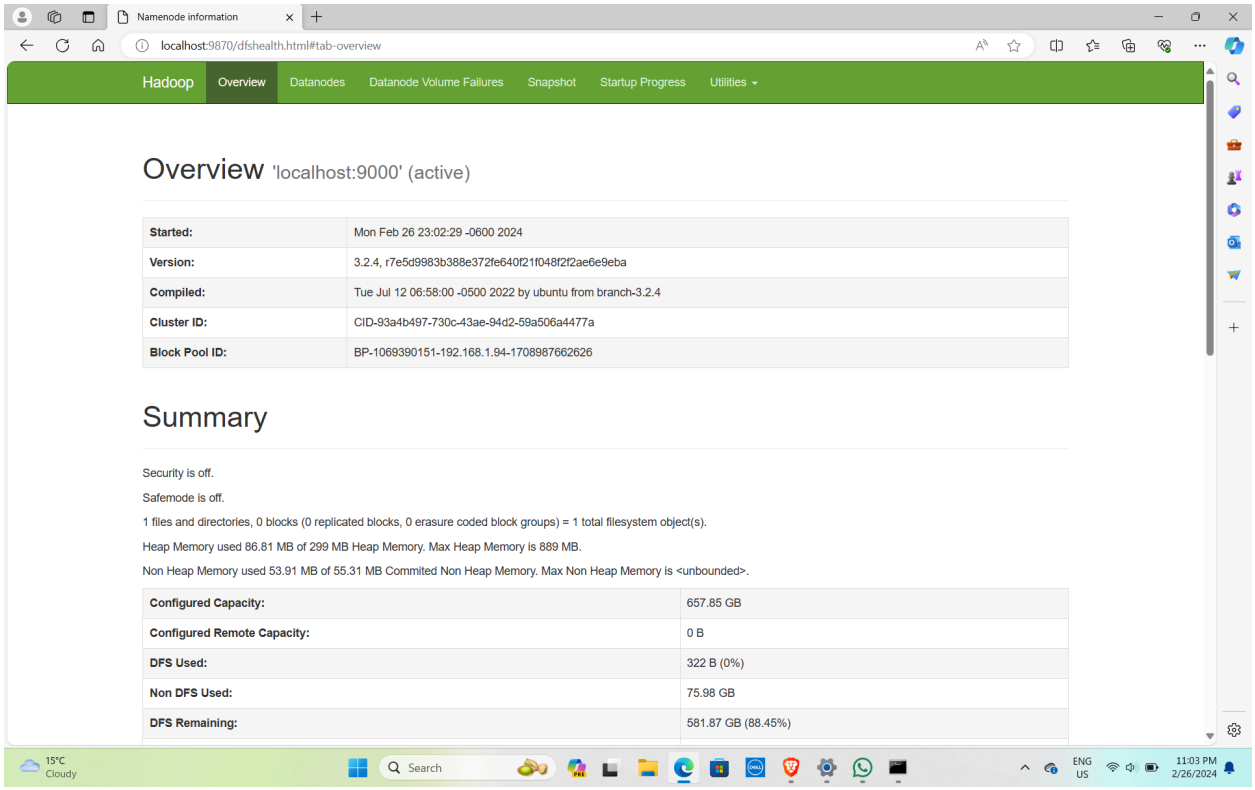
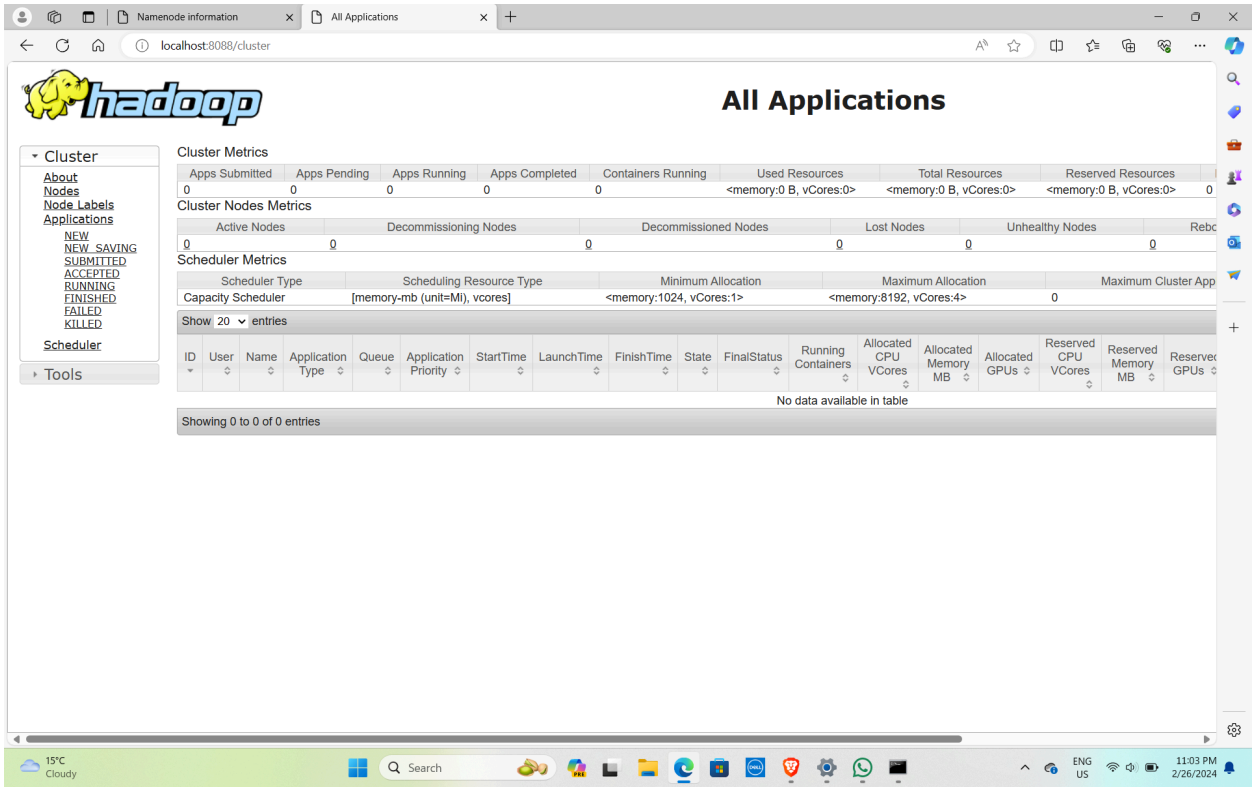
Day21 - Feb26th 2024

1. Woke up at 6 and completed all my things
2. Cooked food and headed to library with my friends
3. Started marketing my profile for data engineering ..but all I receive are rejection mails
4. Opened leetcode and solved one medium binary search question ..was not able to find the optimal logic..so referred a solution
5. Took me around 2 hrs to debug the code and to analyze the time complexity..but soon I'll get improved

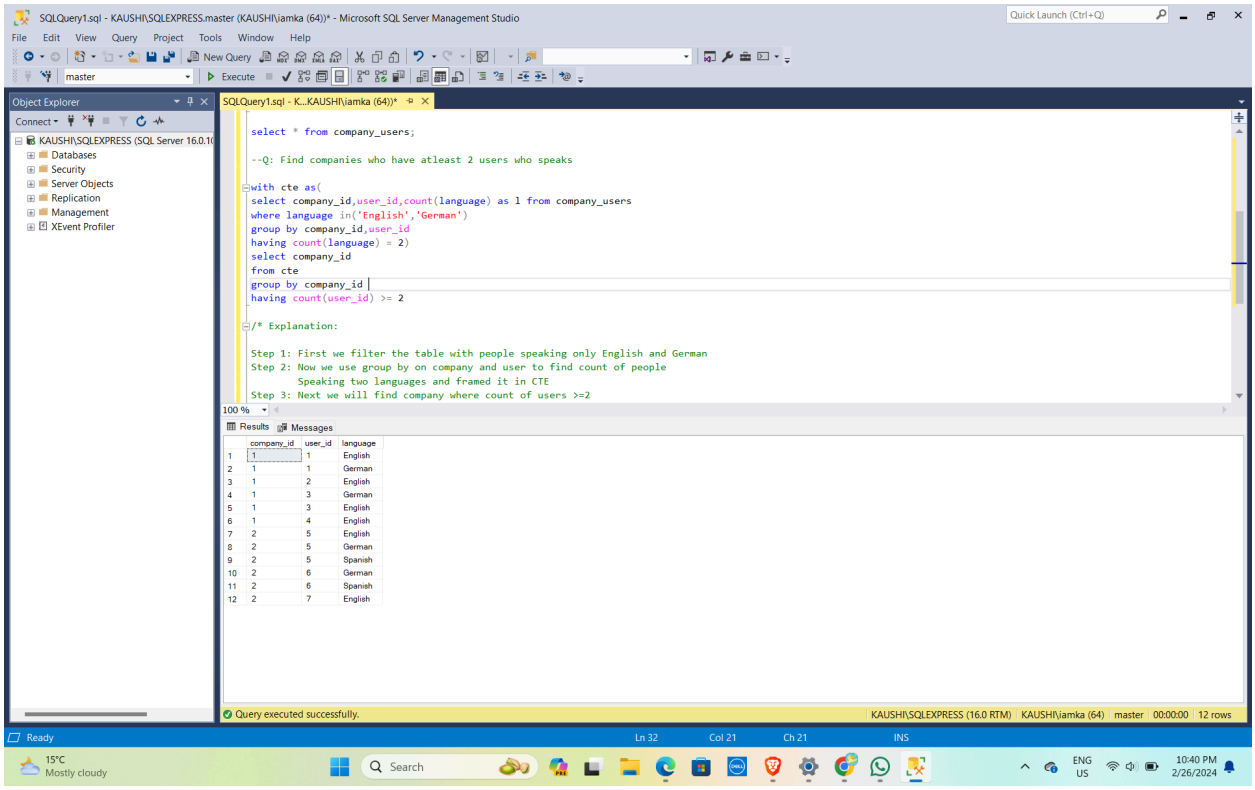
6. Completed installing java and hadoop on my local disk to start pyspark project

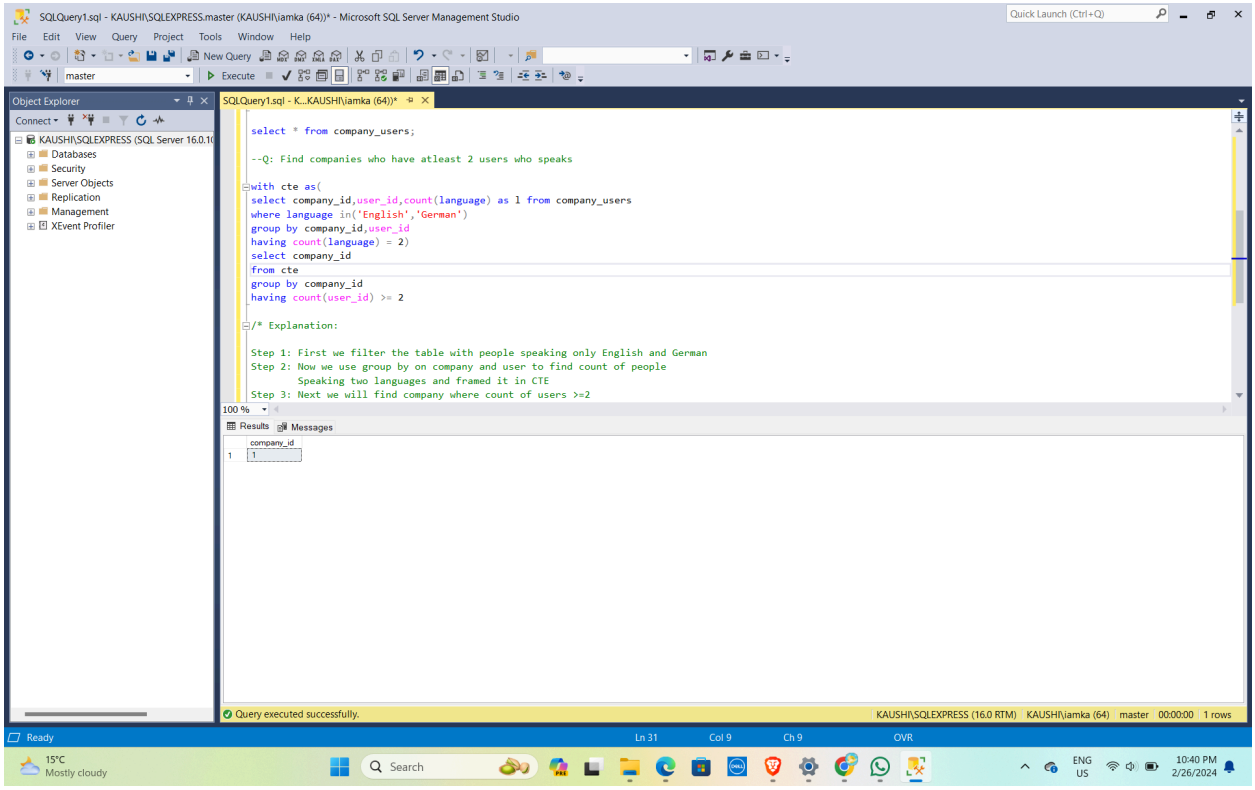




7. Ended my day by solving two complex SQL question from Ankit's YT

8.


SQLQuery1.sql - KAUSHI\SQLEXPRESS.master (KAUSHI\iamka (64))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
Object Explorer
Connect
KAUSHI\SQLEXPRESS (SQL Server 16.0.10
Databases
Security
Server Objects
Replication
Management
XEvent Profiler
SQLQuery1.sql - K...KAUSHI\iamka (64))*
select * from company_users;
--Q: Find companies who have atleast 2 users who speaks
with cte as(
select company_id,user_id,count(language) as l from company_users
where language in('English','German')
group by company_id,user_id
having count(language) = 2)
select company_id
from cte
group by company_id
having count(user_id) >= 2
/* Explanation:
Step 1: First we filter the table with people speaking only English and German
Step 2: Now we use group by on company and user to find count of people
Speaking two languages and framed it in CTE
Step 3: Next we will find company where count of users >=2
100 %
Results
Messages
company_id user_id language
1 1 1 English
2 1 1 German
3 1 2 English
4 1 3 German
5 1 3 English
6 1 4 English
7 2 5 English
8 2 5 German
9 2 5 Spanish
10 2 6 German
11 2 6 Spanish
12 2 7 English
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (64) master 00:00:00 12 rows
Ready
Ln 32 Col 21 Ch 21 INS
15°C
Mostly cloudy
Search
ENG
US
10:40 PM
2/26/2024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Results
Messages
company_id
1 1
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (64) master 00:00:00 1 rows
Ready
Ln 31 Col 9 Ch 9 OVR
15°C
Mostly cloudy
Search
ENG
US
10:40 PM
2/26/2024