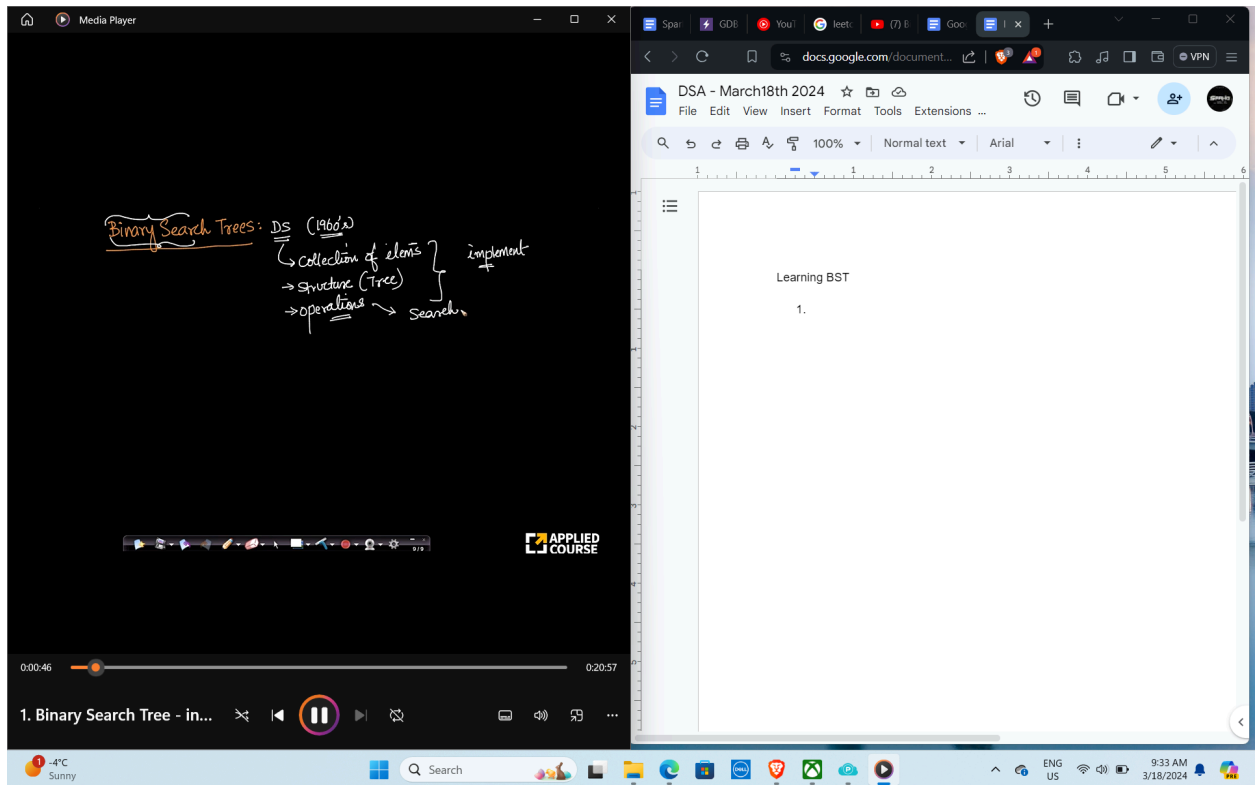


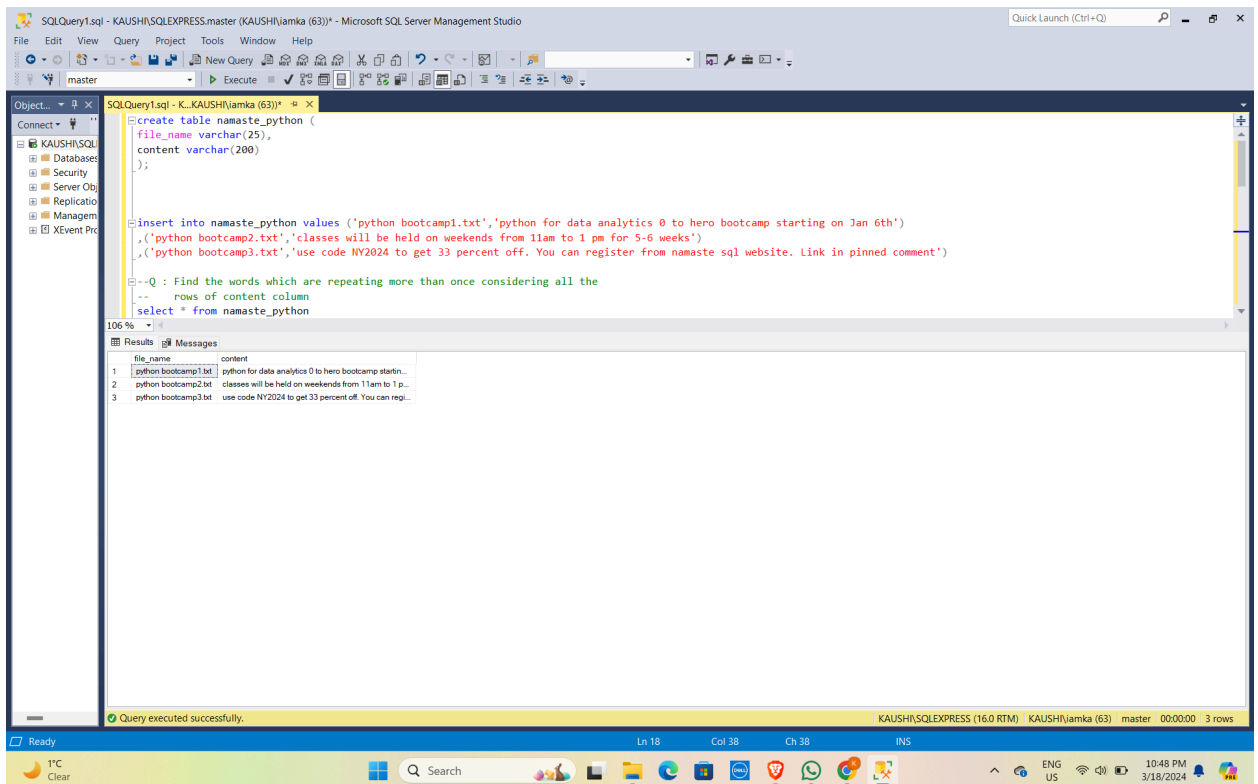
Day42 - March 18th 2024

1. Headed to library at 8:30 am
2. Started learning binary search trees from internet



3. Find link to BST doc :
<https://docs.google.com/document/d/1rfzjpJtiQo2CsdSFuNZbEAQSHonvgGJO3yfV2ovsS3s/edit?usp=sharing>
4. Started learning spark submit from manish kumar
5. Spark theory day - 6 docs :
<https://docs.google.com/document/d/1Jc8b5Ej8FQcEsL38xaqpx-LNchx-QB7ZXfcE1wh6elg/edit?usp=sharing>

6. Ended my day by solving SQL medium complex Question from Ankit'YT



SQLQuery1.sql - K:\KAUSHI\iamka (63) - Microsoft SQL Server Management Studio

```
create table namaste_python (
    file_name varchar(25),
    content varchar(200)
);

insert into namaste_python values ('python bootcamp1.txt','python for data analytics 0 to hero bootcamp starting on Jan 6th'),
('python bootcamp2.txt','classes will be held on weekends from 11am to 1 pm for 5-6 weeks'),
('python bootcamp3.txt','use code NY2024 to get 33 percent off. You can register from namaste sql website. Link in pinned comment')

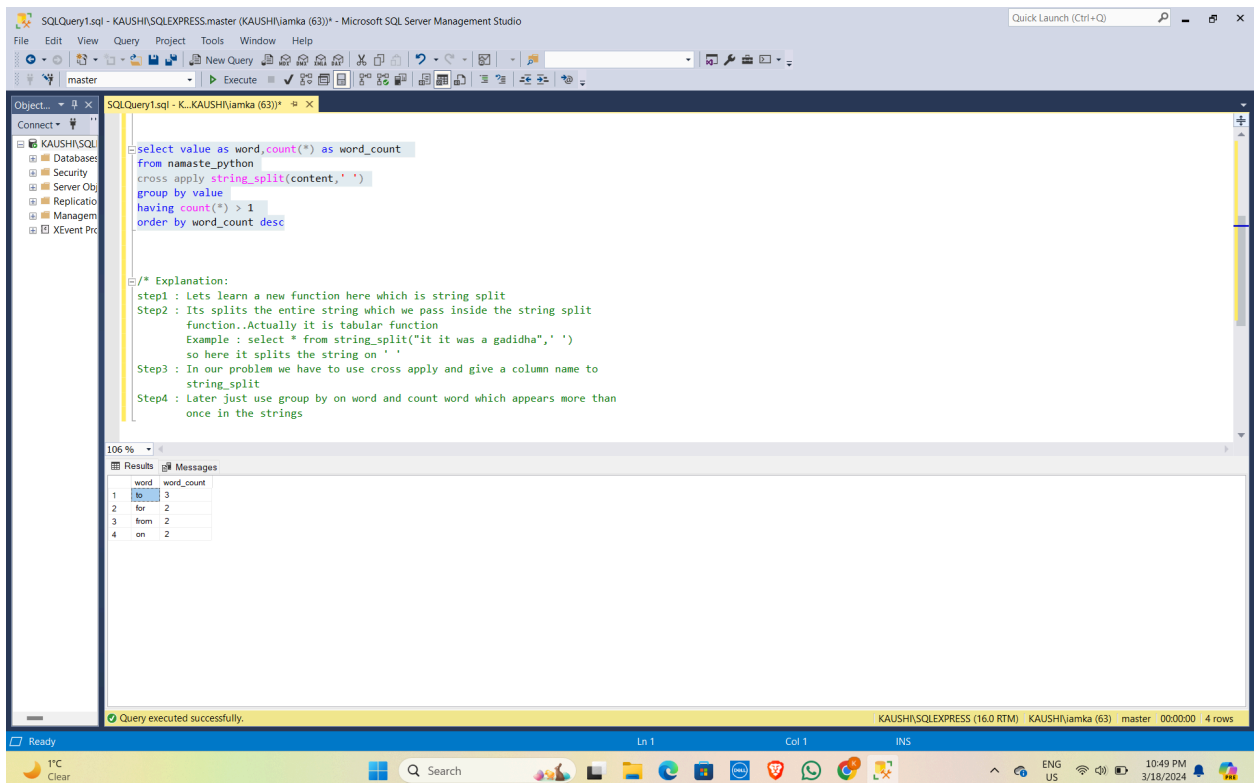
--Q : Find the words which are repeating more than once considering all the
-- rows of content column
select * from namaste_python
```

106 %

file_name	content
python bootcamp1.txt	python for data analytics 0 to hero bootcamp startin...
python bootcamp2.txt	classes will be held on weekends from 11am to 1 p...
python bootcamp3.txt	use code NY2024 to get 33 percent off. You can regi...

Query executed successfully.

KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (63) master 00:00:00 3 rows



SQLQuery1.sql - K:\KAUSHI\iamka (63) - Microsoft SQL Server Management Studio

```
select value as word,count(*) as word_count
from namaste_python
cross apply string_split(content,' ')
group by value
having count(*) > 1
order by word_count desc
```

/* Explanation:
step1 : Lets learn a new function here which is string split
Step2 : Its splits the entire string which we pass inside the string split
function..Actually it is tabular function
Example : select * from string_split('it it was a gadidha',' ')
so here it splits the string on ' '
Step3 : In our problem we have to use cross apply and give a column name to
string_split
Step4 : Later just use group by on word and count word which appears more than
once in the strings

106 %

word	word_count
to	3
for	2
from	2
on	2

Query executed successfully.

KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (63) master 00:00:00 4 rows