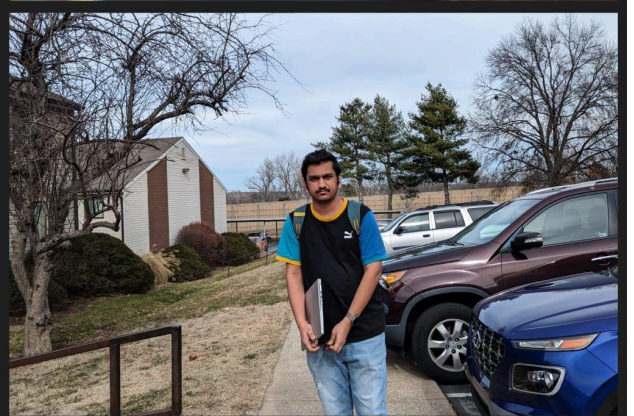


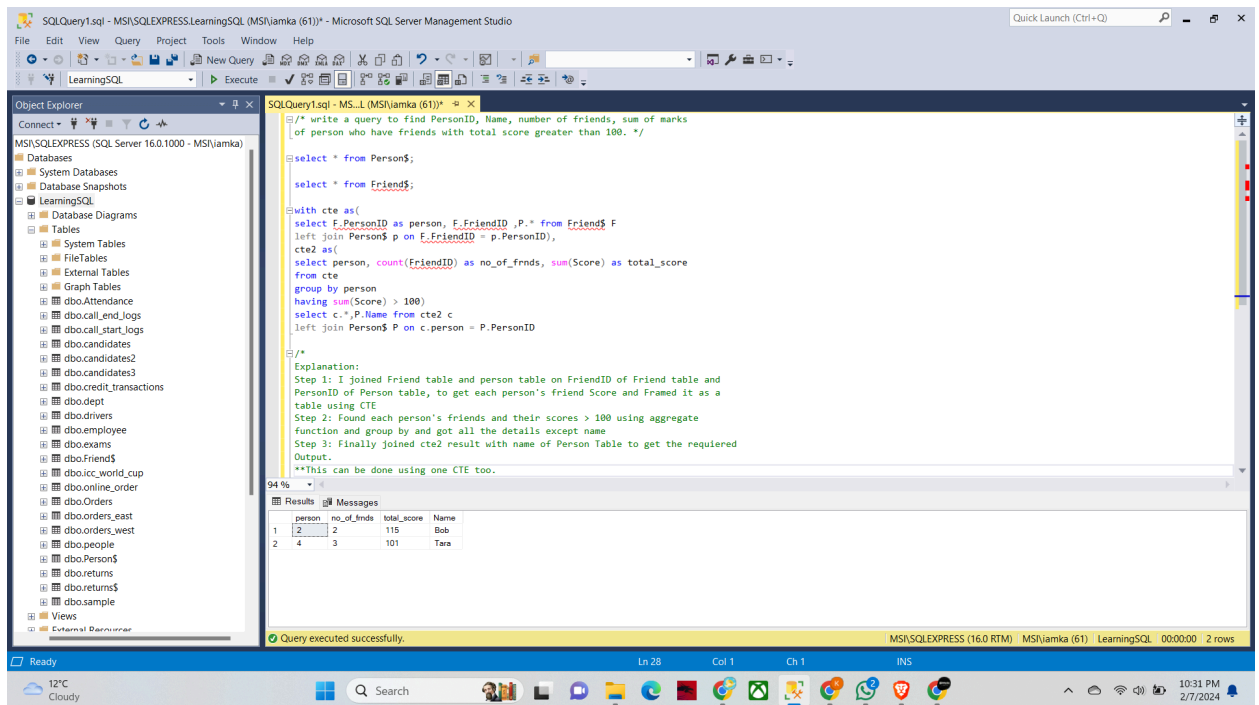
Day2 - Feb 7th 2024

1. Woke up late (7 am) and had cold water bath
2. Cooked breakfast and lunch
3. @12:30pm headed to library



- 4.
5. Time was wasted traveling (by bus) as I don't have a car
6. Marketed my profile and applied few jobs
7. Completed setting up hadoop on AWS EC2 instance ..it took me a while to solve the errors while installing java on EC2
8. Just completed 3 pages of hadoop part 2 today ..notes link  
<https://docs.google.com/document/d/1CPiJa17UKwzBhtvngG62Hnjv6xBYkkhxFFQA0dcZ86Y/edit?usp=sharing> (completed 27 to 30 pages)

## 9. Finally ended day with Ankit Bansal's SQL question



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' with the 'LearningSQL' database selected. The right pane shows a SQL query in the 'SQLQuery1.sql' window. The query is designed to find the PersonID, Name, number of friends, and sum of marks for persons whose friends have a total score greater than 100. The query uses a Common Table Expression (CTE) to achieve this.

```
/* write a query to find PersonID, Name, number of friends, sum of marks
of person who have friends with total score greater than 100. */

select * from Person$;

select * from Friend$;

with cte as(
select F.PersonID as person, F.FriendID ,P.* from Friend$ F
left join Person$ p on F.FriendID = p.PersonID),
cte2 as(
select person, count(FriendID) as no_of_frnds, sum(Score) as total_score
from cte
group by person
having sum(Score) > 100)
select c.* ,P.Name from cte2 c
left join Person$ P on c.person = P.PersonID

/*
Explanation:
Step 1: I joined Friend table and person table on FriendID of Friend table and
PersonID of Person table, to get each person's friend Score and Framed it as a
table using CTE
Step 2: Found each person's friends and their scores > 100 using aggregate
function and group by and got all the details except name
Step 3: Finally joined cte2 result with name of Person Table to get the required
Output.
**This can be done using one CTE too.
```

The query results are displayed in the 'Results' pane, showing 2 rows:

	person	no_of_frnds	total_score	Name
1	2	2	115	Bob
2	4	3	101	Tara

The status bar at the bottom indicates 'Query executed successfully.' and 'MSI(SQLEXPRESS (16.0 RTM) MSI\jamka (61) LearningSQL 00:00:00 2 rows'.

## 10. Will focus more on hadoop and as well as physical activity from tomorrow.