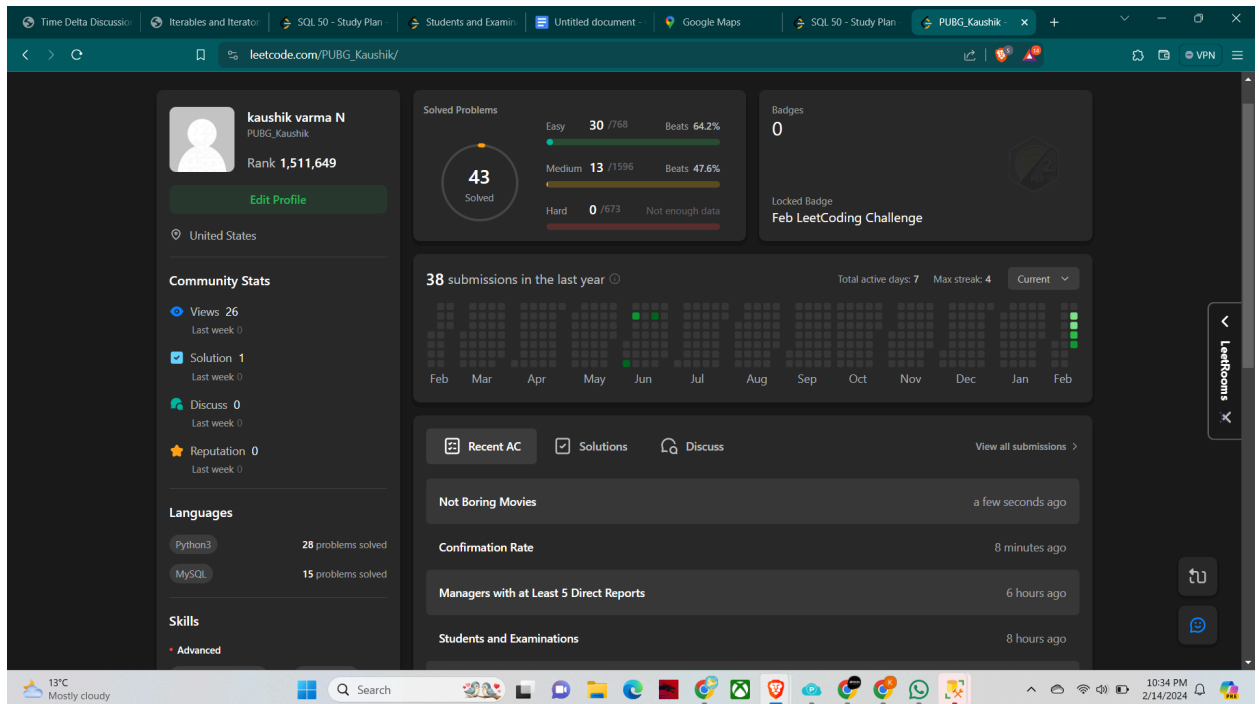



Day9th - Feb 14th 2024

1. Started my day as usual
2. Cooked food for myself and friends
3. Headed to library and marketed my profile for Data engineering
4. Solved 4 leetcode problems





5. Walked for 2 miles

Today, Feb 14


Walking

00:17:05
0.68 mi

7:03 PM

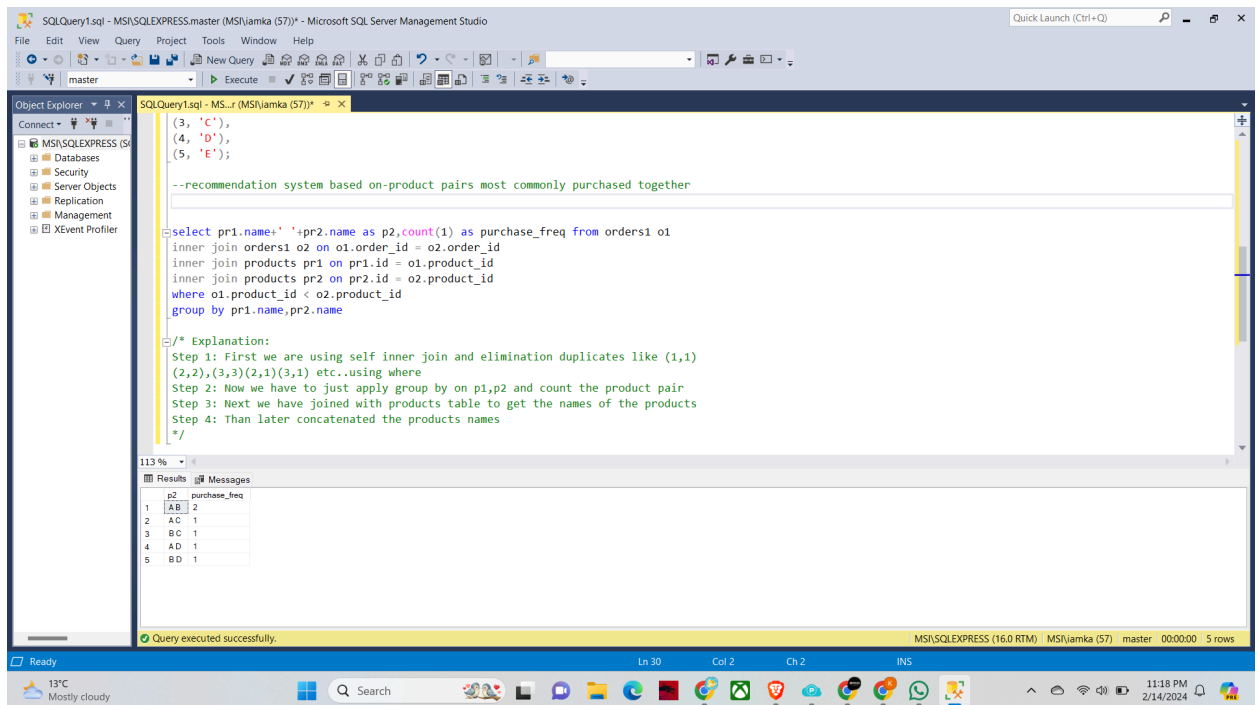
Walking

00:20:45
0.39 mi

6:38 PM



7. And solved one complex SQL problem for ankit YT playlist



The screenshot shows the Microsoft SQL Server Management Studio interface. The main window displays a SQL query titled "SQLQuery1.sql - MS_...r (MSI/iamka (57))". The query is as follows:

```
(3, 'C'),  
(4, 'D'),  
(5, 'E');  
  
--recommendation system based on-product pairs most commonly purchased together  
  
select pr1.name+' '+pr2.name as p2,count(1) as purchase_freq from orders1 o1  
inner join orders1 o2 on o1.order_id = o2.order_id  
inner join products pr1 on pr1.id = o1.product_id  
inner join products pr2 on pr2.id = o2.product_id  
where o1.product_id < o2.product_id  
group by pr1.name,pr2.name  
  
/* Explanation:  
Step 1: First we are using self inner join and elimination duplicates like (1,1)  
(2,2),(3,3)(2,1)(3,1) etc..using where  
Step 2: Now we have to just apply group by on p1,p2 and count the product pair  
Step 3: Next we have joined with products table to get the names of the products  
Step 4: Than later concatenated the products names  
*/
```

The results pane shows the following data:

| p2 | purchase_freq |
|----|---------------|
| AC | 2 |
| BC | 1 |
| AD | 1 |
| BD | 1 |

The status bar at the bottom indicates "Query executed successfully." and "MS(SQLEXPRESS (16.0 RTM) MSI/iamka (57) master 00:00:00 5 rows".

8. New laptop will be delivered in couple of days..and will continue big data learning again.