Day36-March 12th 2024

1. Started my day as usual
2. Completed one medium problem on leetcode and also added a solution with dry code included
3. Marketed my profile for data engineering and completed one screening from a vendor which took me around an hour
4. Practiced spark on databricks..but forgotten to take screenshots for date proof

5. Ended my day by solving a complex question from Ankit's YT


```sql
values (10, 'Rakesh',500,7000,6,50);

--Q: Write an SQL query to list emp_name along with their manager and senior manager
--   name and senior manager is manager's manager

select * from emp1;

select e1.emp_id,e1.emp_name,e2.emp_name as manager,e3.emp_name as sr_manager from emp1 e1
inner join emp1 e2 on e1.manager_id = e2.emp_id
inner join emp1 e3 on e2.manager_id = e3.emp_id

/* Explanation:
Step1 : First to solve anything using self join, run the table twice and find
        which columns to match
Step2 : Next use a inner join to match the required columns
Step3 : See the code and get intuition
```

emp_id	emp_name	department_id	salary	manager_id	emp_age
1	Ankit	100	10000	4	39
2	Mohit	100	15000	5	48
3	Vikas	100	12000	4	37
4	Rohit	100	14000	2	16
5	Mudit	200	20000	6	55
6	Agam	200	12000	2	14
7	Sanjay	200	9000	2	13
8	Ashish	200	5000	2	12
9	Mukesh	300	6000	6	51
10	Rakesh	500	7000	6	50


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emp_id	emp_name	manager	sr_manager
1	Ankit	Rohit	Mohit
2	Mohit	Mudit	Agam
3	Vikas	Rohit	Mohit
4	Rohit	Mohit	Mudit
5	Mudit	Agam	Mohit
6	Agam	Mohit	Mudit
7	Sanjay	Mohit	Mudit
8	Ashish	Mohit	Mudit
9	Mukesh	Agam	Mohit
10	Rakesh	Agam	Mohit