Day55 - March 31st 2024
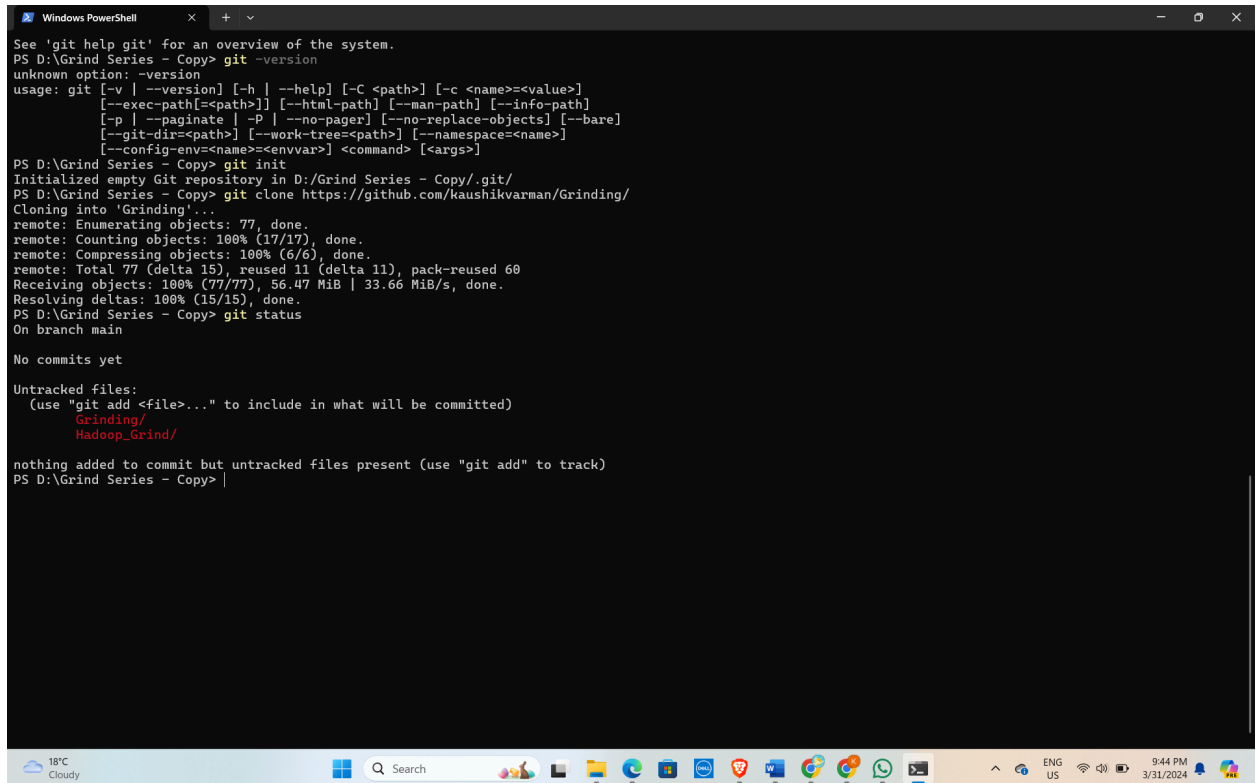
1. Started my day at 6am

2. Solved a leetcode problem 238. Product of Array Except Self
   And added explanation : 📄 DSA_Arrays_03/31/2024

3. Completed learning Data modeling ..so started revising the concepts

4. Uploading all my grind docs to github

5. Ended my day by solving complex SQL question from data lemur

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Signup Activation Rate [TikTok SQL Interview Question]

Description   Solution   Discussion   **Submissions**

```
1  SELECT ROUND(1.0*sum(case when signup_action = 'Confirmed' then 1 end)/count(signup_action),2)
2  as activation_rate FROM emails e
3  inner join texts t on e.email_id = t.email_id;
```

Accepted

Congrats 🎉 - Share this problem, and your solution, on LinkedIn or Twitter!

🐦 Share on Twitter   in Share on LinkedIn

In your post, don't forget to tag Nick Singh, so that he can comment on and share your post with his audience of 150k+ followers on LinkedIn and 25k+ followers on Twitter (which will give your post and profile more visibility)!

Output

activation_rate
0.33

Expected

activation_rate
0.33

TIME	STATUS	YOUR SUBMISSION
03/31/2024 23:09	Solved	Copy To Clipboard

PostgreSQL 14   Run Code   Submit

Output

activation_rate
0.33

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Who Made Quota? [Oracle SQL Interview Question]

Description   Solution   Discussion   Submissions

```
1  with cte as(
2  SELECT d.employee_id,SUM(d.deal_size) as s,MAX(sq.quota) as m FROM deals d
3  inner join sales_quotas sq on d.employee_id = sq.employee_id
4  group by d.employee_id)
5  select employee_id, case when s>m then 'yes' else 'no' end as made_quota
6  from cte
7
```

Easy   Oracle   🐦 Share on Twitter   in Share on LinkedIn

As a data analyst on the Oracle Sales Operations team, you are given a list of salespeople's deals, and the annual quota they need to hit.

Write a query that outputs each employee id and whether they hit the quota or not ('yes' or 'no'). Order the results by employee id in ascending order.

Definitions:

- `deal_size` : Deals acquired by a salesperson in the year. Each salesperson may have more than 1 deal.
- `quota` : Total annual quota for each salesperson.

`deals` **Table:**

Column Name	Type
employee_id	integer
deal_size	integer

`deals` **Example Input:**

employee_id	deal_size
101	400000
101	300000
201	500000

PostgreSQL 14   Run Code   Submit

Output

employee_id	made_quota
1	yes
101	yes
201	yes
301	no

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Description | Solution | Discussion | Submissions

Easy | Oracle | 🐦 Share on Twitter | in Share on LinkedIn

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PostgreSQL 14 | Run Code | Submit

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select employee_id, case when s>m then 'yes' else 'no' end as made_quota
from cte
```

PostgreSQL 14 | Run Code | Submit

Output

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