

Day55 - March 31st 2024

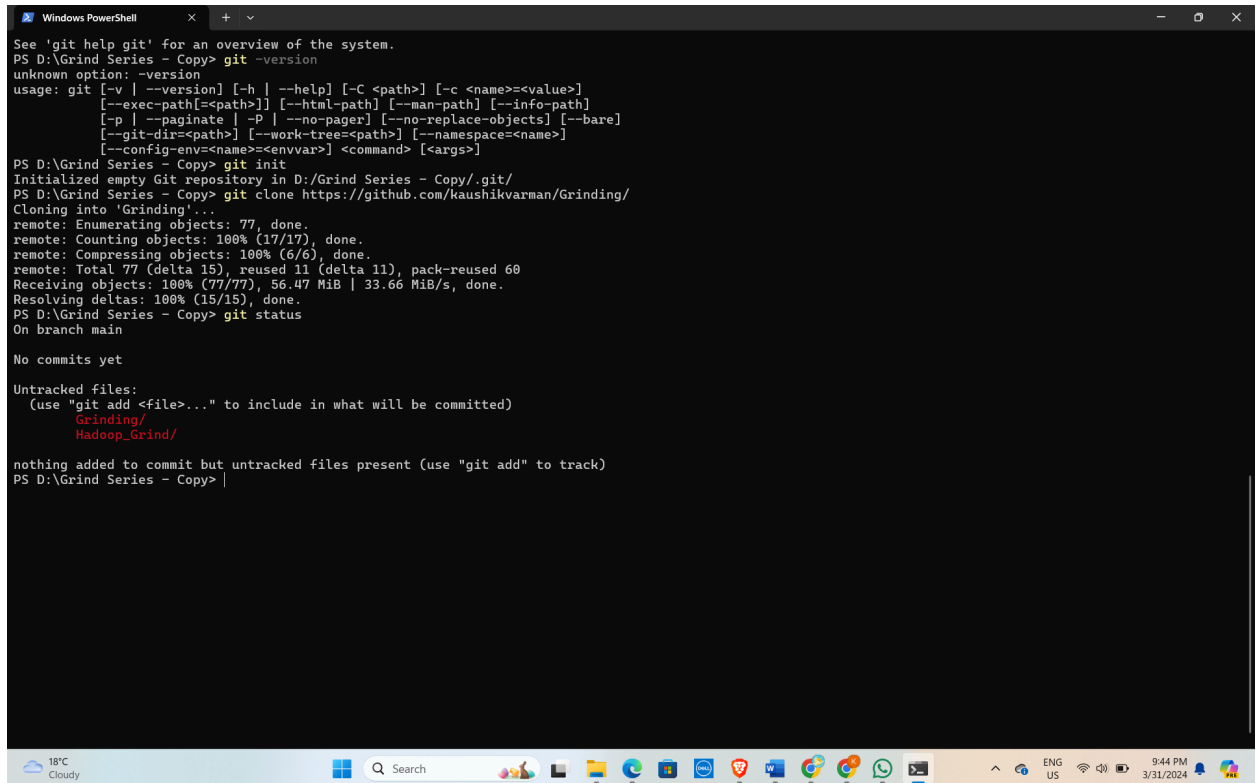
1. Started my day at 6am

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



```
Windows PowerShell
See 'git help git' for an overview of the system.
PS D:\Grind Series - Copy> git -version
unknown option: -version
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate] [-P | --no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           [--config-env=<name>=<envvar>] <command> [<args>]

PS D:\Grind Series - Copy> git init
Initialized empty Git repository in D:/Grind Series - Copy/.git/
PS D:\Grind Series - Copy> git clone https://github.com/kaushikvarman/Grinding/
Cloning into 'Grinding'...
remote: Enumerating objects: 77, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 77 (delta 15), reused 11 (delta 11), pack-reused 60
Receiving objects: 100% (77/77), 56.47 MiB | 33.66 MiB/s, done.
Resolving deltas: 100% (15/15), done.
PS D:\Grind Series - Copy> git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Grinding/
        Hadoop_Grind/

nothing added to commit but untracked files present (use "git add" to track)
PS D:\Grind Series - Copy> |
```

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

**Signup Activation Rate [TikTok SQL Interview Question]**

**Medium** TikTok [Share on Twitter](#) [Share on LinkedIn](#)

New TikTok users sign up with their emails. They confirmed their signup by replying to the text confirmation to activate their accounts. Users may receive multiple text messages for account confirmation until they have confirmed their new account.

A senior analyst is interested to know the activation rate of specified users in the `emails` table. Write a query to find the activation rate. Round the percentage to 2 decimal places.

**Definitions:**

- `emails` table contain the information of user signup details.
- `texts` table contains the users' activation information.

**Assumptions:**

- The analyst is interested in the activation rate of specific users in the `emails` table, which may not include all users that could potentially be found in the `texts` table.
- For example, user 123 in the `emails` table may not be in the `texts` table and vice versa.

Effective April 4th 2023, we added an assumption to the question to provide additional clarity.

**emails Table:**

Column Name	Type
email_id	integer
user_id	integer
signup_date	datetime

PostgreSQL 14

[Run Code](#) [Submit](#)

**Output**

activation_rate
0.33

**Signup Activation Rate [TikTok SQL Interview Question]**

**Accepted**

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

[Share on Twitter](#) [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	<a href="#">Copy To Clipboard</a>
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PostgreSQL 14

[Run Code](#) [Submit](#)

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

**Output**

activation_rate
0.33

TikTok SQL Interview Question

datalemur.com/questions/signup-confirmation-rate

DataLemur

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kaushik varma KV

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## Signup Activation Rate [TikTok SQL Interview Question]

Description

Solution

Discussion

Submissions

Accepted

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

```
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;
```

PostgreSQL 14

Run Code

Submit

Output

activation\_rate

0.33

18°C Cloudy

Search

ENG US

11:09 PM 3/31/2024

Oracle SQL Interview Question

datalemur.com/questions/oracle-sales-quota

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## Who Made Quota? [Oracle SQL Interview Question]

Description

Solution

Discussion

Submissions

Easy

Oracle

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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

```
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
```

PostgreSQL 14

Run Code

Submit

Output

employee_id	made_quota
1	yes
101	yes
201	yes
301	no

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Oracle SQL Interview Question | x +

datalemur.com/questions/oracle-sales-quota

kaushik varma KV

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