## SQL- Intermediate - Paut 3

## Challenges

https://www.hackerrank.com/challenges/challenges/problem?isFullScreen=true

total no of challenges created by tacker-id, name and Cach Student sort et by descending ordes. if more than one if count is less than max. no of challenges exclude them iff more than one student created same word challenges.

Challenges Hackers : hackerid challenge-id name hacker-id.

Challenge to write max-challenge count maximum of the challenges = 50 SELECT MAX (challenges-count) from

(SELECT count (chaveinge-id) as challenges-count FROM chaveinges GROUP BY haveel-id)

gives count of no of challenges created by each Lackel

Now the next part 9s how to find the numbel of chavenges which are duplicate which means that there court >1

if it is

p maximum

dupli cates

are allowed from question SELECT chavenges - court from

(SELECT court (chavenge - id) as chavenge - court

FROM chavenges

Chevr BY have id) as Subquery

GROUP BY chavenges - court group by along

HAVING LOUNT (4) > 1))

chavenges to check

there

list of chavenges which are duplicated count

```
SELECT h.hacker_id, h.name, COUNT(c.challenge_id) as challenges_count
FROM Hackers h
JOIN Challenges c ON h.hacker_id = c.hacker_id
GROUP BY h.hacker_id, h.name
                                                                         ou owed
HAVING COUNT(c.challenge_id) = (SELECT MAX(challenges_count) FROM
                                (SELECT COUNT(challenge_id) as challenges_count
                                 FROM Challenges
                                 GROUP BY hacker_id) as SubQuery)
  OR (COUNT(c.challenge_id) NOT IN (SELECT challenges_count FROM
                                    (SELECT COUNT(challenge_id) as challenges_count
                  check for
                                    FROM Challenges
                  dupli cates
                                    GROUP BY hacker_id) as SubQuery
                   don't consider
                                    GROUP BY challenges count
                                    HAVING COUNT(\star) > 1))
ORDER BY challenges_count DESC, h.hacker_id;
          Challenges - count in
                                  hacker-id in
```

ous cending order.

descending ordes

## Symmetric Pairs

https://www.hackerrank.com/challenges/symmetric-pairs/problem?isFullScreen=true

Use of CTE in sol - named result set in query

Suntax: WITH He as (

select statement query.

for example in this case

Cond in this question:

select distinct a.x,a.y

with a as ( select x, y, row-number() over () as r functions)

Summeric pain K1= Y2 and x2= Y1

Query by ascending order of X, and order S't X, SY,

with a as ( select x, y, row\_number() over() r from functions ),
b as ( select x, y, row\_number() over() r from functions )

from a,b self join no repilition

where a.x=b.y and a.y=b.x and a.r!=b.r and a.x<=a.y

order by a.x;

according

h qualian

## Interviews

https://www.hackerrank.com/challenges/interviews/problem?isFullScreen=true

contest id, hackerid, name

sums of total\_submissions, total\_accepted\_submissions

totat - views and total\_unique-views

for each contest by contest id

Exclude untext if all sum=0

Specific omtekt , many rosnege

l collège - 1 contest

Column	Type
contest_id	Integer
hacker_id	Integer
name	String

Column	Туре
challenge_id	Integer
college_id	Integer
Colleg	160

Column	.,,,
challenge_id	Integer
total_views	Integer
total_unique_views	Integer
Challenge	٨

Column

Contests

Column	Туре
challenge_id	Integer
total_views	Integer
total_unique_views	Integer

View - Stat
-------------

Type
Integer
Integer
Integer

Bubmission - Stals

**SELECT** cc.hacker\_id, Since we are doing left join here we need to nuu COALESCE(SUM(sa.total\_submissions\_ch), 0) AS total\_submission\_contest, COALESCE(SUM(sa.total\_accepted\_submissions\_ch), 0) AS total\_accepted\_submission\_contest, COALESCE(SUM(va.total\_views\_ch), 0) AS total\_views\_contest, COALESCE(SUM(va.total\_unique\_views\_ch), 0) AS total\_unique\_views\_contest r> table a contest and FROM (SELECT c.contest\_id, c.hacker\_id, c.name, ch.challenge\_id Challenge joined FROM colleges col win weege JOIN contests c ON col.contest\_id = c.contest\_id JOIN challenges ch ON ch.college\_id = col.college\_id) AS cc Since she Roger about which challerge LEFT JOIN (SELECT challenge\_id, Jeun over challenges SUM(total\_submissions) AS total\_submissions\_ch, SUM(total\_accepted\_submissions) AS total\_accepted\_submissions\_ch FROM submission stats LEFT JOIN I sum one challengs SUM(total\_views) AS total\_views\_ch, SUM(total unique views) AS total unique views ch FROM view stats GROUP BY challenge\_id) AS va ON va.challenge\_id = cc.challenge\_id GROUP BY cc.contest\_id, cc.hacker\_id, cc.name HAVING (total submission contest + total accepted submission contest + total\_views\_contest + total\_unique\_views\_contest) > 0 ORDER BY cc.contest\_id; be data which is wefulf in the tables of niews or submissions but our me data of challenges, cartest and colleges leff join must be thele tı