## SQL-Intermediate (Past I)

Weather Observation Station 20: https://www.hackerrank.com/challenges/weather-observationstation-20/problem?isFullScreen=true SELECT ROUND (AVE (LAT-N),4) round to the + digits FROM ( SELECT LAT-N, Passign sequential order by lat-N ROW-NUMBER () OVER (ORDER BY LAT-N) As ROWNUM COUNT (\*) OVER() AS Total Rows FROM STATION ) Subquery WHERE ROWNUM IN (Total Rows , Total Rows +1, suppose the no of fows = 4 and next: total rows +1 Observation Station 5 Weather https://www.hackerrank.com/challenges/weather-observation-station-5/problem? isFullScreen=true CITY, LENGTH (CITY) FROM STATION SELECT accending order city BY LENGTH (LITY) DESC, CITY ASC LIMIT 1; ORDER ordered in descending order (longest city) CITY, LENGTH (UTY) FROM STATION SELECT BY LENGTH CLITY) ASC, CITY ASC UMIT 1; ORDER ordered in ascending order (shorteof city name)

Binary Tree Nodes https://www.hackerrank.com/challenges/binary-search-tree-1/problem?isFullScreen=true If Node is Not Parent then it is leaf other wise 'Innel' SELECT N, CASE No Paunt NULL THEN 'Root' WHEN N IN (SELECT DISTINCT P FROM BST ) THEN 'Inner' WHEN `leat ELSE see if node is parent Node Type Node Type AS END FROM BST ORDER BY N;

New Companies (1	1.)
https://www.hackerrank.com/challenges/the-company/problem?isFullScreen=true	
Column Type Column Type employee code St	/pe ring
Column Type Column Type senior_manager_code String manager_code String senior_manager_code String seni	ring
company_code String lead_manager_code String lead_manager_code String lead_manager_code String	ring
tounder String company_code String company_code String company_code String	ring ring
company (c) Lead-Managel Senior, Managel Managel Employee	P
SELECT (LM) (SM) (M) (E)	
C. company-code, C-founder	
COUNT (DISTINCT LM- lead-managel-code) AS total lead-manage	w,
COUNT (DISTINCT SM. Servior-manager-code) AS total senior-mang	
COUNT (DISTINCT M. managel- code) As total-manages,	
COUNT (DISTINCT E. employee - code) As total - employees,	
Prom company C	
LEFT JOIN Lead - Manager LM ON C. company-code = LM. company-cox	le
LEFT JOIN Senior-Managel SM ON	
lm. lead-manager. code = SM. lead-manager_code	
and c. company code = SM. company-code	
LEFT JOIN manager M ON	
SM- serior-manages-code= M. Serior-manage-code	
and LM. lead - manages - code = M. lead - manages - code	
and c. company-code = M. company-code	
LEFT JOIN Employée E ON	
M. managel- code = E. managel - code	
SM. serior_manager-code= E. serior-manager-code	
in. lead- navagie - code = E. lead-managel-code	
C. compacy-code = E. compacy-code	
GEOUP BY C. company-code, C. founder	
DRDER BY C. company-code; and founder	
order in ascending order	
V V	

Top	Competitors (S.)		
https://www.hackerrank.com/challenges/full-score/problem?isFullScreen=true			
SELECT	h. hacket-id, h. name		
FROM	Hackers. h		
JOIN			
	SELECT S. hacker-id, count (*) as fur-store-count from Sybmissions S		
	feor Submissions S Join Challenges C on s. challenge-id = c. challenge-id.		
	Join Challenges C on s. challenge-id = c.challenge-id.  Join Difficulty d ON c. difficulty level = d'éfriculty-level		
	WHERE S. Score = d. Score -> to ensue highest		
	GROUP BY C. hacked-id in group by hackes score for		
	HAVING COUNT (*) >1 ms having the consider		
Dense	GROUP BY C. hackel-id ins group by houses Clore for HAVING LOUNT (*) > 1 ms having the challenge to consider the challenge that the challenge to consider the challenge that th		
ORDER	by the state court size, he hadden - 10 ms		
	descending order by total sort them in ascending		
	haikit - 19		
	haulus got trus stace		
More c	onise and clear without using subquery.		
SELECT	h. harker-id, h. name FROM Harkersh		
JOIN	Submissions s ON L. hacker-id = S. hacker-id		
JOIN	Challenges c ON s. challenge-id = c. challenge-id		
JOIN	Difficulty d ON C. difficulty-level = d. difficulty level		
WHERE			
( 0 0 110	S. scole = d. score wis filtering out the lows		
GROUP	h. hackel-id, h. name us group by people		
HAUING			
	COUNT (s. submission_id) >1		
ORDER	RY		
	COUNT (S. Submission_id) DESC, Jo-> saure as h. Lauker_id ASC;		
	h. Lacker-id ASC;		