1. Pinpoint Countries who give work fully remotely, for the title 'managers’ Paying salaries Exceeding $90,000 USD

SELECT DISTINCT company\_location

FROM salaries

WHERE job\_title LIKE '%Manager%'

AND salary\_in\_usd > 90000 AND remote\_ratio > 0

1. you're tasked WITH Identifying top 5 Country Having greatest count of large (company size) who have entry level position

SELECT company\_location, count(\*) as total

FROM salaries

where experience\_level = 'EN' and company\_size = 'L'

group by company\_location

order by total desc limit 5

1. Picture yourself AS a data scientist Working for a workforce management platform. Your objective is to calculate the percentage of employees. Who enjoy fully remote roles WITH salaries Exceeding $100,000 USD, Shedding light ON the attractiveness of high-paying remote positions IN today's job market.

set @total = (SELECT count(\*) FROM salaries WHERE salary\_in\_usd > 100000);

set @wfh = (SELECT count(\*) FROM salaries WHERE salary\_in\_usd > 100000 AND remote\_ratio = 100);

select round(((select @wfh) / (select @total))\*100, 2) as '%'

1. How can we find job titles where the average salary for entry-level employees (`EN`) at a specific company location is higher than the overall average salary for that same job title across all locations?

SELECT t.company\_location, t.job\_title, t.average\_per\_country, p.average

FROM (

SELECT company\_location, job\_title, AVG(salary\_in\_usd) AS average\_per\_country

FROM salaries

WHERE experience\_level = 'EN'

GROUP BY company\_location, job\_title

) AS t

JOIN (

SELECT job\_title, AVG(salary\_in\_usd) AS average

FROM salaries

WHERE experience\_level = 'EN'

GROUP BY job\_title

) AS p

ON t.job\_title = p.job\_title

WHERE t.average\_per\_country > p.average

1. You've been hired by a big HR Consultancy to look at how much people get paid IN different Countries. Your job is to Find out for each job title which. Country pays the maximum average salary. This helps you to place your candidates IN those countries.

WITH ranked\_salaries AS (

SELECT company\_location, job\_title, AVG(salary\_in\_usd) AS avg\_salary,

ROW\_NUMBER() OVER (PARTITION BY job\_title ORDER BY AVG(salary\_in\_usd) DESC) AS rn

FROM salaries

GROUP BY company\_location, job\_title

)

SELECT job\_title, company\_location, avg\_salary

FROM ranked\_salaries

WHERE rn = 1

order by avg\_salary desc

1. AS a data-driven Business consultant, you've been hired by a multinational corporation to analyze salary trends across different company Locations. Your goal is to Pinpoint Locations WHERE the average salary Has consistently Increased over the Past few years (Countries WHERE data is available for 3 years Only(present year and past two years) providing Insights into Locations experiencing Sustained salary growth.
2. Picture yourself AS a workforce strategist employed by a global HR tech startup. Your Mission is to Determine the percentage of fully remote work for each experience level IN 2021 and compare it WITH the corresponding figures for 2024, Highlighting any significant Increases or decreases IN remote work Adoption over the years.
3. AS a Compensation specialist at a Fortune 500 company, you're tasked WITH analyzing salary trends over time. Your objective is to calculate the average salary increase percentage for each experience level and job title between the years 2023 and 2024, helping the company stay competitive IN the talent market.
4. You're a database administrator tasked with role-based access control for a company's employee database. Your goal is to implement a security measure where employees in different experience level (e.g. Entry Level, Senior level etc.) can only access details relevant to their respective experience level, ensuring data confidentiality and minimizing the risk of unauthorized access.
5. You are working with a consultancy firm, your client comes to you with certain data and preferences such as (their year of experience , their employment type, company location and company size ) and want to make an transaction into different domain in data industry (like a person is working as a data analyst and want to move to some other domain such as data science or data engineering etc.) your work is to guide them to which domain they should switch to base on the input they provided, so that they can now update their knowledge as per the suggestion/.. The Suggestion should be based on average salary.