DATA SCIENCE DOMAIN RELATED JOBS:-

CASE STUDY QUESTIONS

1. You're a Compensation analyst employed by a multinational corporation. Your Assignment is to Pinpoint Countries who give work fully remotely, for the title 'managers' Paying salaries Exceeding $90,000 USD

2. AS a remote work advocate Working for a progressive HR tech startup who place their freshers' clients in large tech firms. you're tasked WITH Identifying top 5 Country Having greatest count of large (company size) number of companies.

3. 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.

4. Imagine you're a data analyst Working for a global recruitment agency. Your Task is to identify the Locations where entry-level average salaries exceed the average salary for that job title IN market for entry level, helping your agency guide candidates towards lucrative opportunities.

5. 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. As a market researcher, your job is to Investigate the job market for a company that analyzes workforce data. Your Task is to know how many people were employed IN different types of companies AS per their size IN 2021.

12. Imagine you are a talent Acquisition specialist Working for an International recruitment agency. Your Task is to identify the top 3 job titles that command the highest average salary Among part-time Positions IN the year 2023. However, you are Only Interested IN Countries WHERE there are more than 50 employees, Ensuring a robust sample size for your analysis.

13. As a database analyst you have been assigned the task to Select Countries where average mid-level salary is higher than overall mid-level salary for the year 2023.

14. As a database analyst you have been assigned the task to Identify the company locations with the highest and lowest average salary for senior-level (SE) employees in 2023.

15. You're a Financial analyst Working for a leading HR Consultancy, and your Task is to Assess the annual salary growth rate for various job titles. By Calculating the percentage Increase IN salary FROM previous year to this year, you aim to provide valuable Insights Into salary trends WITHIN different job roles.

16. Picture yourself as a data architect responsible for database management. Companies in US and AU(Australia) decided to create a hybrid model for employees they decided that employees earning salaries exceeding $90000 USD, will be given work from home. You now need to update the remote work ratio for eligible employees, ensuring efficient remote work management while implementing appropriate error handling mechanisms for invalid input parameters.

17. In the year 2024, due to increased demand in the data industry, there was an increase in salaries of data field employees.
    a. Entry Level-35% of the salary.
    b. Mid junior – 30% of the salary.
    c. Immediate senior level- 22% of the salary.
    d. Expert level- 20% of the salary.
    e. Director – 15% of the salary.

    You must update the salaries accordingly and update them back in the original database.

18. You are a researcher and you have been assigned the task to Find the year with the highest average salary for each job title.

19. You have been hired by a market research agency where you been assigned the task to show the percentage of different employment type (full time, part time) in Different job roles, in the format where each row will be job title, each column will be type of employment type and cell value for that row and column will show the % value.