

# CampusX SQL Questions.

## Data Science Jobs

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. You've been hired by a global HR Consultancy to identify Countries experiencing significant salary growth for entry-level roles. Your task is to list the top three Countries with the highest salary growth rate FROM 2020 to 2023, Considering Only companies with more than 50 employees, helping multinational Corporations identify Emerging talent markets.
7. 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.
8. 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.

9. You are a researcher and you have been assigned the task to Find the year with the highest average salary for each job title.
10. 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.