

# Data Analysis in SQL

## **MYSQL Questions**

### **Creating Tables**

```
CREATE TABLE Career_Aspirations (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  Date DATE,  
  Time TIME,  
  Country VARCHAR(50),  
  Area_Pin_Code VARCHAR(10),  
  Gender ENUM('Male', 'Female', 'Other'),  
  Top_Factors_Influencing_Career_Aspirations VARCHAR(255),  
  Definite_Pursuit_of_Self_Sponsored_Higher_Education_Abroad ENUM('Yes, self-sponser', 'Yes, if-funded', 'No'),  
  Likelihood_of_3_Years_with_One_Employer ENUM('Yes', 'Maybe', 'No'),  
  Willingness_to_Work_for_a_Company_Without_a_Clear_Public_Mission  
  ENUM('Yes', 'Maybe', 'No'),  
  Likelihood_of_Working_for_a_Company_with_Misaligned_Mission  
  ENUM('Yes', 'Maybe', 'No'),  
  Likelihood_of_Working_for_a_Non_Social_Impact_Company ENUM('Low',  
  'Medium', 'High'),  
  Most_Preferred_Work_Environment ENUM('Remote', 'Hybrid', 'Onsite'),  
  Preferred_Employers VARCHAR(255),  
  Preferred_Learning_Environment VARCHAR(255),  
  Ideal_Manager_Type_for_Engaging_Work VARCHAR(255),
```

Preferred\_Work\_Setup VARCHAR(255),  
Willingness\_to\_Work\_for\_Recently\_Layoff\_Company ENUM('Yes', 'Maybe', 'No'),

Likelihood\_of\_7\_Years\_with\_One\_Employer ENUM('Yes', 'Maybe', 'No'),  
Email\_Address VARCHAR(255),

Minimum\_In\_Hand\_Salary\_First\_3\_Years VARCHAR(50),  
Expected\_In\_Hand\_Salary\_After\_5\_Years VARCHAR(50),  
Closest\_Career\_to\_Aspirational\_Job VARCHAR(255) );

## **-- Questions :**

### **-- 1. What industries are Gen-Z most interested in pursuing careers in?**

```
SELECT Closest_Career_to_Aspirational_Job, COUNT(*) AS Count
FROM Career_Aspirations
GROUP BY Closest_Career_to_Aspirational_Job
ORDER BY Count DESC;
```

### **-- 2. What are the top factors influencing Gen-Z's career choices?**

```
SELECT Top_Factors_Influencing_Career_Aspirations, COUNT(*) AS Count
FROM Career_Aspirations
GROUP BY Top_Factors_Influencing_Career_Aspirations
ORDER BY Count DESC;
```

### **-- 3. What is the desired work environment for Gen-Z? (e.g., remote, hybrid, in-office)**

```
SELECT Most_PREFERRED_Work_Environment, COUNT(*) AS Count
FROM Career_Aspirations
GROUP BY Most_PREFERRED_Work_Environment
ORDER BY Count DESC;
```

**-- 4. How do financial goals, such as salary and benefits, impact career aspirations among Gen-Z?**

```
SELECT Minimum_In_Hand_Salary_First_3_Years,
Expected_In_Hand_Salary_After_5_Years, COUNT(*) AS Count
FROM Career_Aspirations
GROUP BY
Minimum_In_Hand_Salary_First_3_Years,Expected_In_Hand_Salary_After_5_Years
ORDER BY Count DESC;
```

**-- 5. What role do personal values and social impact play in career choices for Gen-Z?**

```
SELECT Likelihood_of_Working_for_a_Non_Social_Impact_Company,
COUNT(*) AS Count FROM Career_Aspirations GROUP BY
Likelihood_of_Working_for_a_Non_Social_Impact_Company ORDER BY Count
DESC;
```