**Milestone-5**

Here are the SQL Queries for Database Managemen

Developed 19 SQL queries to manage and analyze database, focusing on:

- Data retrieval and manipulation

- Filtering and sorting

- Aggregate functions

- Subqueries and joins

These queries optimized database performance and ensured efficient data retrieval.

**Q.1 What is the gender distribution of respondents from**

**india?**

SELECT Gender, Count(\*) AS Count

FROM career\_aspiration

WHERE Country='India'

Group BY Gender;

**Q.2 What percentage of respondents from india are**

intrested in education abroad and sponsorship

Select

(SUM(CASE WHEN `Here Education Aspiration` ='yes'

THEN 1 ELSE 0

END) / Count(\*)) \* 100 AS Percentage

From career\_aspiration

WHere Country='India' ;

**Q.3 What are the 6 top influences on career aspirations**

for respondents in India ?

SELECT `Influencing Factors`,

COUNT(\*) AS count

FROM career\_aspiration

WHERE country = 'India'

GROUP BY `Influencing Factors`

ORDER BY count DESC

LIMIT 6;

**Q.4 How do career aspiration influences vary by gender**

**in india ?**

Select Gender, `Influencing Factors`,

COUNT(\*) As count

FROM career\_aspiration

WHERE Country = 'India'

GROUP BY Gender, `Influencing Factors`

ORDER BY GENDER, Count DESC ;

**Q.5 What percentage of respondents are willing to work**

**for a company for atleast 3 years ?**

SELECT (SUM(CASE WHEN `Likelihood of 3 year in a company`

= 'yes' THEN 1 ELSE

0 END) / Count(\*)) \* 100 AS Percentage

FROM career\_aspiration

WHERE Country='India' ;

**Q.6 How many respondents prefer to work for socially**

**impactful companies ?**

SELECT COUNT(\*) AS count

FROM career\_aspiration

WHERE Country = 'India' AND `preferred working

environment` = 'socially impactful';

**Q.7 How does the preference for socially impactful**

**companies vary by gender ?**

SELECT COUNT(\*) AS count

FROM career\_aspiration

WHERE Country = 'India'

AND `preferred working environment`='socially impactful'

GROUP BY Gender;

Q.8 What is the distribution of minimum expected salary in

the first three year among respondents ?

SELECT

`Expected salary for first 3 year`

FROM career\_aspiration

GROUP BY `Expected salary for first 3 year`

ORDER BY `Expected salary for first 3 year`;

**Q.9 What is the expected minimum monthly salary in hand ?**

**Select**

AVG(`Minimum expected salary as a fresher`)

AS average\_min\_expected\_salary

FROM career\_aspiration ;

**Q.10 What percentage of respondents prefer remote working ?**

**SELECT**

(SUM(CASE WHEN `preferred working environment` = 1 THEN 1

ELSE 0 END) \* 100.0 /

COUNT(\*)) As remote\_work\_percentage

FROM career\_aspiration ;

**Q.11 What is the preferred number of daily work hour ?**

SELECT `How many hours would you be willing to work every day`,

COUNt(\*) AS count

FROM career\_aspiration

GROUP BY `How many hours would you be willing to work every day`

ORDER BY count DESC;

**Q.12 What are the common work frustation among**

respondents ?

SELECT `What would frustrate you at work ?`,

COUNT(\*) AS count

From career\_aspiration

Group By `What would frustrate you at work ?`

ORDER BY count DESC;

**Q.13 How does the need for work-life balance**

interventions vary by gender ?

SELECT`Gender`,

COUNT(\*) AS total\_responses,

SUM(CASE WHEN

`You work a company if you under the abusing manager`= 'yes'

THEN 1 ELSE 0 END) AS

need\_work\_life\_balance,

SUM(CASE WHEN

`You work a company if you under the abusing manager`= 'NO'

THEN 1 ELSE 0 END)AS

no\_need\_work\_life\_balance

FROM career\_aspiration

GROUP BY`gender`;

**Q.14 How many respondents are willing to work under an**

**abusive manager ?**

SELECT COUNT(\*) AS `How many hours would you be willing to work every day`

FROM career\_aspiration

WHERE `You work a company if you under the abusing manager` = 'YES';

**Q.15 What is the distribution of minimum expected salary**

**after 5 years ?**

SELECT `Monthly expected salary after 5 year`,

COUNT(\*) AS count

FROM career\_aspiration

GROUP BY `Monthly expected salary after 5 year`

ORDER BY `Monthly expected salary after 5 year`

**Q.16 What are the remote working preferences by gender**

SELECT Gender,`without remote working policy`,

Count(\*) as count

FROM career\_aspiration

GROUP BY Gender,`without remote working policy`

ORDER BY Gender, count DESC;

**Q.17 What are the top work frustration for each gender ?**

SELECT Gender, `What would frustrate you at work ?`,

COUNT(\*) AS count

FROM career\_aspiration

WHERE `What would frustrate you at work ?`

IS NOT NULL

GROUP BY Gender,`What would frustrate you at work ?`

ORDER BY Gender, COUNT DESC;

**Q.18 What factors boost work happiness and productiviy**

**for respondents ?**

SELECT `What would make you happier and productive at work`,

Count(\*) AS count

FROM career\_aspiration

WHERE `What would make you happier and productive at work`

IS NOT NULL

GROUP BY `What would make you happier and productive at work`

ORDER BY count DESC;

**Q.19 What percentage of respondents need sponsorship for**

**education abroad ?**

SELECT (SUM(CASE WHEN `Here Education Aspiration`

= 1 THEN 1 ELSE 0 END) \* 100.0)/

COUNT(\*) AS `Here Education Aspiration`

FROM career\_aspiration;