

PROJECT 3

OPERATION ANALYTICS AND INVESTIGATING METRICS SPIKE

PROJECT DESCRIPTION: Operation analytics is the analysis done for the complete end-to-end operations of a company. With the help of this, the company then finds the areas in which it must improve upon. This kind of analysis is further used to predict the overall growth or decline of the company's fortune. It means better automation, better understanding between cross-functional teams, and more effective workflows. Investigating metric spikes is also an important part of operation analytics.

APPROACH: As working in the product team of Microsoft designated as data analyst lead and provided with different datasets, and tables from which certain insights are to be derived and questions asked by different departments are to be answered. Acquired the information from the given description about data and understood the problem. Used MySQL workbench to import files in the new database and started with my queries to answer the questions. Executed the queries and if there were any errors in the code, modified the same.

TECH-STACK USED: **MySQL workbench** is an open-source SQL development that helps to create databases and perform SQL operations. **GitHub** which is an internet hosting service for software development and version control using git

where one can create a repository was also used to execute my project.

INSIGHTS: The knowledge that I could gain from this project was how to create a database, how to use a database and how to perform SQL operations based on scenarios, and how the data can be used to improve and help businesses grow.

RESULT: Through this project, I was able to achieve how to analyze the project, as this helped me to gain more knowledge about SQL to perform better.

MySQL queries are attached in the code section of my repository (GitHub).