##### Project 3: Operation Analytics and Investigating Metric Spike

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 on which it must improve upon. You work closely with the ops team, support team, marketing team, etc and help them derive insights out of the data they collect.

These insights are then used by teams across the business to launch a new marketing campaign, decide on features to build for an app, and track the experience altogether while helping the business grow.

Approach :

* To develop a database using the resources provided and understand the data given with respect to how each table is related to another table with respect to the primary keys and foreign keys.
* To understand the questions that are needed to be answered using the database
* Write simple and understandable codes and get the desirable answers required to develop the business.

Tech used :

##### Used MYSQL workbench to write statements and filter different outcomes

Insights :

* To analyze the number of jobs reviewed per hour per day, calculate the rolling average of throughput, analyze the percentage share of each language can provide insights into language preferences of users, to display duplicates.
* Investigating Metric Spike
  + Weekly user engagement can help in understanding how actively users are interacting with the product or service.
  + To calculate the weekly retention of users who signed up for the product, Analyzing weekly engagement per device helps in understanding user behavior and preferences across different devices.

Result :

The question needed to be answered in the project have been answered and required results have been achieved.

Made a csv copy of all the results achieved