DBMS Innovative Assignment

Data Analytics on OTT Statistical Data Using Structured Query Language (SQL)

# Introduction :-

Databases of modern-day cinematic performances has grown quotationally in these recent times. As the influence of Data analytics grown stronger in every industry of both art and science, the world of online cinema has also adapted to the trend. Data analytics and optimization has been a key part of making art since the very beginning. TV rating and reviews have long influenced the production of the TV programs. Often, A pilot episode of a show would be first rated by an audience to determine the show should be made or not. In this modern era, OTT platforms like Netflix, Amazon Prime, HBO Max, Disney+ etc.

Here, we have done something similar to that notion. We have created an environment where user would input data about a show and we would process that data using structured query language (SQL). The input of the would through a website designed for this project. User would have his own credentials and data storage for his/her inputted data.

## Existing Work

As mentioned above, all of the tech giants already have data analyzation in the work on their OTT platforms. Many of them have been pioneers in the innovation and enhancement of this field. Apart from that, there are many different boilerplates of these type of data analyzation that can be found on the internet. My graduate and post-graduate student also pursues this field as their Mainline project for their degree. In many ways, data analyzation in this field is similar to the core foundations of data analyzation which are also the keys to all data analyzation fields. Even after that, OTT data analyzation has made their own “Spin-Off” on the subject.

# Problem Statement :-

* Make a platform that stores user credentials. User can access the platform using their credentials.
* User would input data about certain Show on the OTT. Such data would include:
  + Show name
  + Show acting cast (multiple entries)
  + Show director
  + Show music composer & artists
  + Show Pilot ratings
  + Show pilot airing date
* User would request queries on the given data and the platform should satisfy those queries. These queries would be quotationally statistical in their nature.
* The answer to these queries show be processed and showed on the platform.