**TASK NO: 5**

**What is Historical Load?**

The Data Warehouse/Mart is expected to house historical data. Based on the duration for how long the end users want to perform the analysis, we keep the data for that long. In other words, we would have users want to compare the Stores Monthly sales and compare it with the monthly sales of for the last 3 years. Here we would have to keep at least 3 years of data so that end users can perform their analysis. When we build and implement data warehouse/mart, it is empty. We would not want to start building the history from the day it is implemented. In this case the end user would have to wait for 3 years from the day of implementation to perform this particular analysis. Hence we identify the source where we can find the history data, and perform one time, ETL to extract the required history data and load it to the warehouse.

**What Is Incremental Load**?

Incremental load is the periodic load to keep the data warehouse updated with the most recent transactional data. This is an ongoing process that continues till the life of the warehouse/mart. The periodicity of the incremental loads is dependent on the availability time of the source data. We can have incremental loads on a Daily basis, Weekly basis, Monthly basis, Quarterly basis, Yearly basis.

The incremental load model will attempt to compare the incoming data from the source system with the existing data present in the destination.

## **What is Full Data Load?**

In a Full Data Load, the **complete dataset is emptied or loaded** and then entirely overwritten (i.e. deleted and replaced) with the newly updated dataset in the next data loading run.