**Sales Insights Data Analysis Project**

**Instructions to setup mysql on your local computer**

1. SQL database dump is in db\_dump.sql file above. Download db\_dump.sql file to your local computer and import it as per instructions given in the tutorial video

**Data Analysis Using SQL**

1. Show all customer records

SELECT \* FROM customers;

1. Show total number of customers

SELECT count(\*) FROM customers;

1. Show transactions for Chennai market (market code for chennai is Mark001

SELECT \* FROM transactions where market\_code='Mark001';

1. Show distrinct product codes that were sold in chennai

SELECT distinct product\_code FROM transactions where market\_code='Mark001';

1. Show transactions where currency is US dollars

SELECT \* from transactions where currency="USD"

1. Show transactions in 2020 join by date table

SELECT transactions.\*, date.\* FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020;

1. Show total revenue in year 2020,

SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and transactions.currency="INR\r" or transactions.currency="USD\r";

1. Show total revenue in year 2020, January Month,

SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and and date.month\_name="January" and (transactions.currency="INR\r" or transactions.currency="USD\r");

1. Show total revenue in year 2020 in Chennai

SELECT SUM(transactions.sales\_amount) FROM transactions INNER JOIN date ON transactions.order\_date=date.date where date.year=2020 and transactions.market\_code="Mark001";

**Data Analysis Using Power BI**

1. Formula to create norm\_amount column

= Table.AddColumn(#"Filtered Rows", "norm\_amount", each if [currency] = "USD" or [currency] ="USD#(cr)" then [sales\_amount]\*75 else [sales\_amount], type any)