Portfolio Project:

# MySQL

Data Analysis Using SQL:

Import file

SHOW TABLES; (*customers, transactions, date, markets*)

DESCRIBE *table name;*

1. Show all Customers Records

SELECT \* FROM customers

Different customers have different customer\_code

1. Show total number of customers

SELECT COUNT(\*) FROM customers

1. Show data from transaction table where city is “Mumbai”

SELECT \* FROM transactions

SELECT DISTINCT customer\_code FROM transactions WHERE market\_code = "mark004"

SELECT SUM(sales\_amount) FROM transactions WHERE customer\_code = "cus006"

This tables includes product\_code and market\_code meaning Product name and various Region of transaction

1. Show data from markets table

SELECT \* FROM markets

markets\_code refers to various markets\_name

1. Show transactions where currency is inn “USD”

SELECT \* FROM transactions WHERE currency = "USD"

1. Show what range of “year” of data we have in table date

SELECT DISTINCT year FROM date

1. Show total Revenue of 2020

SELECT SUM(sales\_amount) FROM transactions JOIN date ON transactions.order\_date = date.date WHERE date.year = 2020

1. Show total Revenue of 2020 AND for February Month

SELECT SUM(sales\_amount) FROM transactions JOIN date ON transactions.order\_date = date.date WHERE date.year = 2020 AND date.month\_name = "February"

1. Return a sentence of total sale made by each Customer

SELECT CONCAT("The sale for ", custmer\_name, " is ", SUM(sales\_amount) , "$." ) AS "Sale belong to Customer" FROM customers JOIN transactions ON customers.customer\_code = transactions.customer\_code group by custmer\_name

These and many more query more can be performed on MySQL type of database management system. One can gather this information on request and can be pass on by saving it as CSV file.

**Rupen Patel**

*rupen6804@gmail.com*