Sales Insights Data Analysis Project

Instructions to setup mysql on your local computer

1. Follow step in this video to install mysql on your local computer
https://www.youtube.com/watch?v=WuBcTJnIuzo

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
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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)`