

Assignment_1 Documentation

Step 1: Database Setup

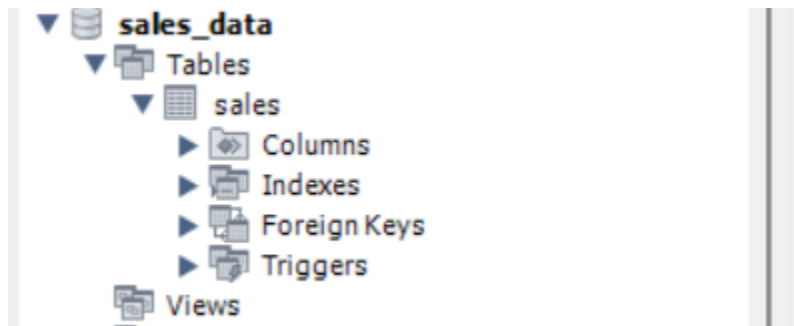
Create Database:

- `CREATE DATABASE sales_data; -- create database`
- `USE sales_data; -- switch database`

Create Table:

```
CREATE TABLE sales (  
  row_id INT PRIMARY KEY,  
  order_priority VARCHAR(50) ,  
  discount DECIMAL(5,2) ,  
  unit_price DECIMAL(10,2) ,  
  shipping_cost DECIMAL(10,2) ,  
  customer_id INT ,  
  customer_name VARCHAR(255) ,  
  ship_mode VARCHAR(50) ,  
  customer_segment VARCHAR(50) ,  
  product_category VARCHAR(50) ,  
  product_sub_category VARCHAR(50) ,  
  product_container VARCHAR(50) ,  
  product_name VARCHAR(255) ,  
  product_base_margIN DECIMAL(5,2) ,  
  regiON VARCHAR(50) ,  
  manager VARCHAR(50) ,  
  state_or_province VARCHAR(50) ,
```

```
city VARCHAR(50),  
postal_code INT,  
order_date DATE,  
ship_date DATE,  
profit DECIMAL(10,2),  
quantity_ordered INT,  
sales DECIMAL(10,2),  
order_id INT,  
return_status VARCHAR(50)  
);
```



Insert Data into the Table / Bulk Insertion

Code:

```
LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server  
8.0/Uploads/superstore_sales.csv'  
  
INTO TABLE superstore_sales  
  
FIELDS TERMINATED BY ','  
  
ENCLOSED BY '"'  
  
LINES TERMINATED BY '\n'  
  
IGNORE 1 ROWS;
```

Step 2: Data Cleaning & Preprocessing