

# **SESSION WILL BE DIVIDED INTO**

1. Understanding MySQL workbench UI
2. Creating Database & Tables
3. Understanding Basics of Keys
4. Understanding Importing of datasets

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## SECTION 1

# Understanding MySQL Workbench UI

- Let us go to **MySQL Workbench**

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## SECTION 2

# Creating Database & Tables

- Based on the dataset provided to you, we will
  - Create a database named as “**GlobalSalesData**”
  - Create the following Tables: -
    - **Customers**
    - **Date**
    - **Market**
    - **Products**
    - **Transactions**
- Let us go to **MySQL Workbench**

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## SECTION 3

# Understanding Basics of Keys

- Currently, we will explore
  - **What is a Primary Key**
  - **What is a Foreign Key**

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    - A **Primary Key** is a column (or a combination of columns) in a table that uniquely identifies each row or record in that table.
    - The **primary key** ensures that **no duplicate values exist in that column**, and every row can be distinguished from others.
  - **Key Characteristics of Primary Key**



**Unique  
identifier**



**No Null  
Values  
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**Immutable  
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    - Let us Identify the Primary Keys in our Dataset
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      - Date
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## SECTION 3

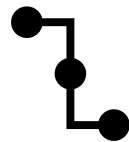
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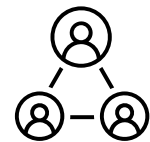
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  - **What is a Foreign Key**
    - A **Foreign Key** is a column (or a combination of columns) in one table that establishes a link or relationship between two tables.
    - The foreign key in one table refers to the **Primary Key** in another table, enforcing a relationship between the tables.
  - **Key Characteristics of Foreign Key:**



**Relationship**



**Integrity**

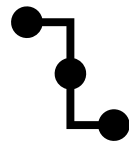


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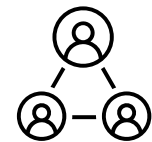
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**Multiple  
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## SECTION 4

# Understanding Importing of Datasets

- In this part we will learn to import dataset at all once:
  - Customers
  - Date
  - Market
  - Products
  - Transactions

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