

Guide to Using the Provided SQL File in MySQL Workbench

This guide will help you upload the data to MySQL Workbench and run the SQL file with all the provided queries.

1. Install MySQL Workbench

1. Download and install MySQL Workbench from the MySQL website.
2. Install MySQL Server if it's not already installed.
3. During installation, set a username (usually root) and password.

2. Create a New Database

1. Open MySQL Workbench and log in using your MySQL credentials.
2. Click the "**Create a New Schema**" icon on the toolbar.
3. Name your database **bookings** and click **Apply**.

3. Import Data Using the Data Import Wizard

Step 1: Prepare Your Data

Make sure your data is saved in a CSV file (e.g., bookings.csv).

Step 2: Open the Data Import Wizard

1. In MySQL Workbench, go to the **Navigator** on the left side.
2. Right-click on your database (**bookings**) and select **Table Data Import Wizard**.

Step 3: Import the CSV File

1. In the wizard, browse to the location of your bookings.csv file.
2. Select it and click **Next**.
3. MySQL Workbench will automatically detect your file's structure. Adjust column types if needed.
4. Click **Next** and **Finish** to complete the import.

4. Verify the Imported Data

1. Expand the **bookings** database in the Navigator pane.
2. Click on the bookings table and select **Rows** to view the data.

5. Execute the SQL Queries

Step 1: Open the SQL File

1. Save the queries provided to a file called **CabBookingDataAnalysis.sql**
2. Open MySQL Workbench, go to **File > Open SQL Script**, and select **CabBookingDataAnalysis.sql**

Step 2: Run the Queries

1. Select the bookings database by running:
2. USE bookings;
3. Click the **lightning bolt icon** to run all the queries at once.

6. What Each Query Does

1. **Retrieve all successful bookings:**
Lists all bookings where the status is "Success".
2. **Find the average ride distance for each vehicle type:**
Shows the average distance for each type of vehicle.
3. **Count rides cancelled by customers:**
Tells you how many rides were cancelled by customers.
4. **Top 5 customers with the most bookings:**
Lists the 5 customers who booked the highest number of rides.
5. **Count driver cancellations for specific issues:**
Counts rides cancelled by drivers due to personal or car-related reasons.
6. **Maximum and minimum driver ratings for Prime Sedan:**
Finds the highest and lowest driver ratings for Prime Sedan bookings.
7. **Rides paid via UPI:**
Lists all rides where payment was made using UPI.
8. **Average customer rating per vehicle type:**
Shows the average rating given by customers for each type of vehicle.
9. **Total value of successful bookings:**
Calculates the total revenue from successful bookings.
10. **List incomplete rides with reasons:**
Lists all rides marked as incomplete along with the reasons.

7. Additional Tips

- **Save Your Work:** Regularly save your queries and changes.
- **Export Results:** You can export query results as a CSV or Excel file for further analysis.
- **Error Handling:** If you face issues, check the error messages. Often, it's related to file paths or permissions.

With these steps, you'll be able to upload your data, run the queries, and analyse your results.