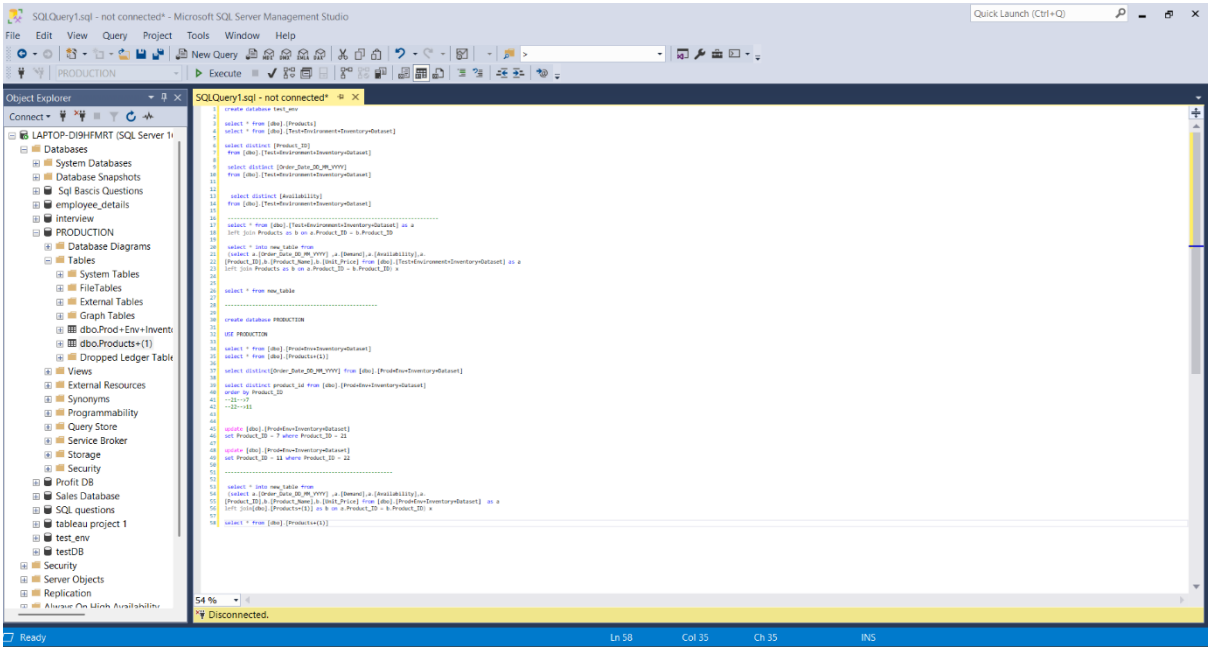
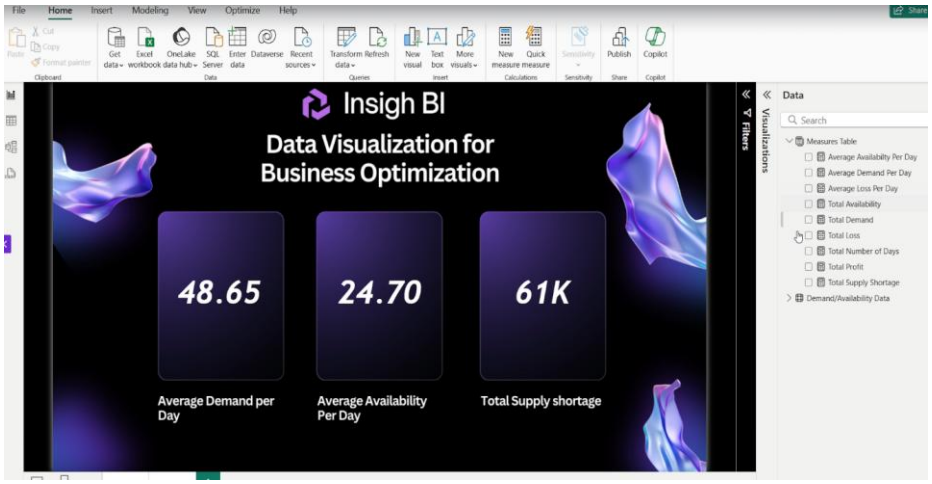
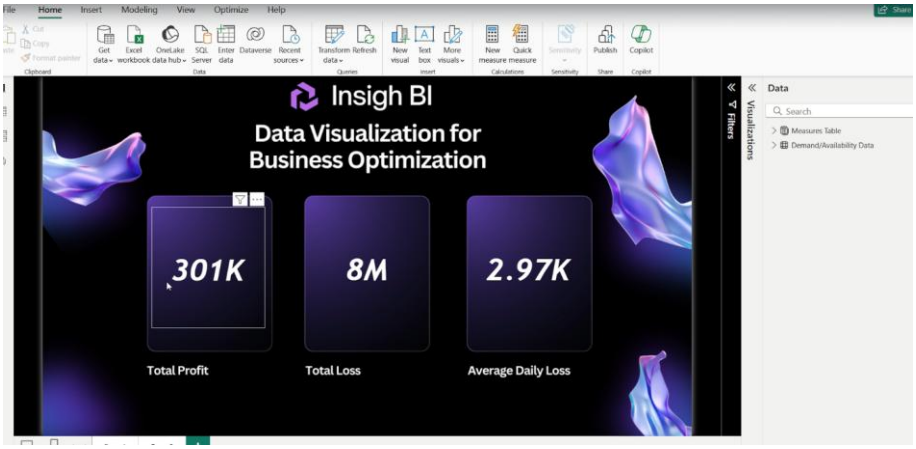
Step 1: Imported the data for the **Test Environment (MSSQL)** and performed necessary **LEFT JOINs** to clean and integrate the data. A similar process was followed for the **Production Environment**, as shown in the figure/code.



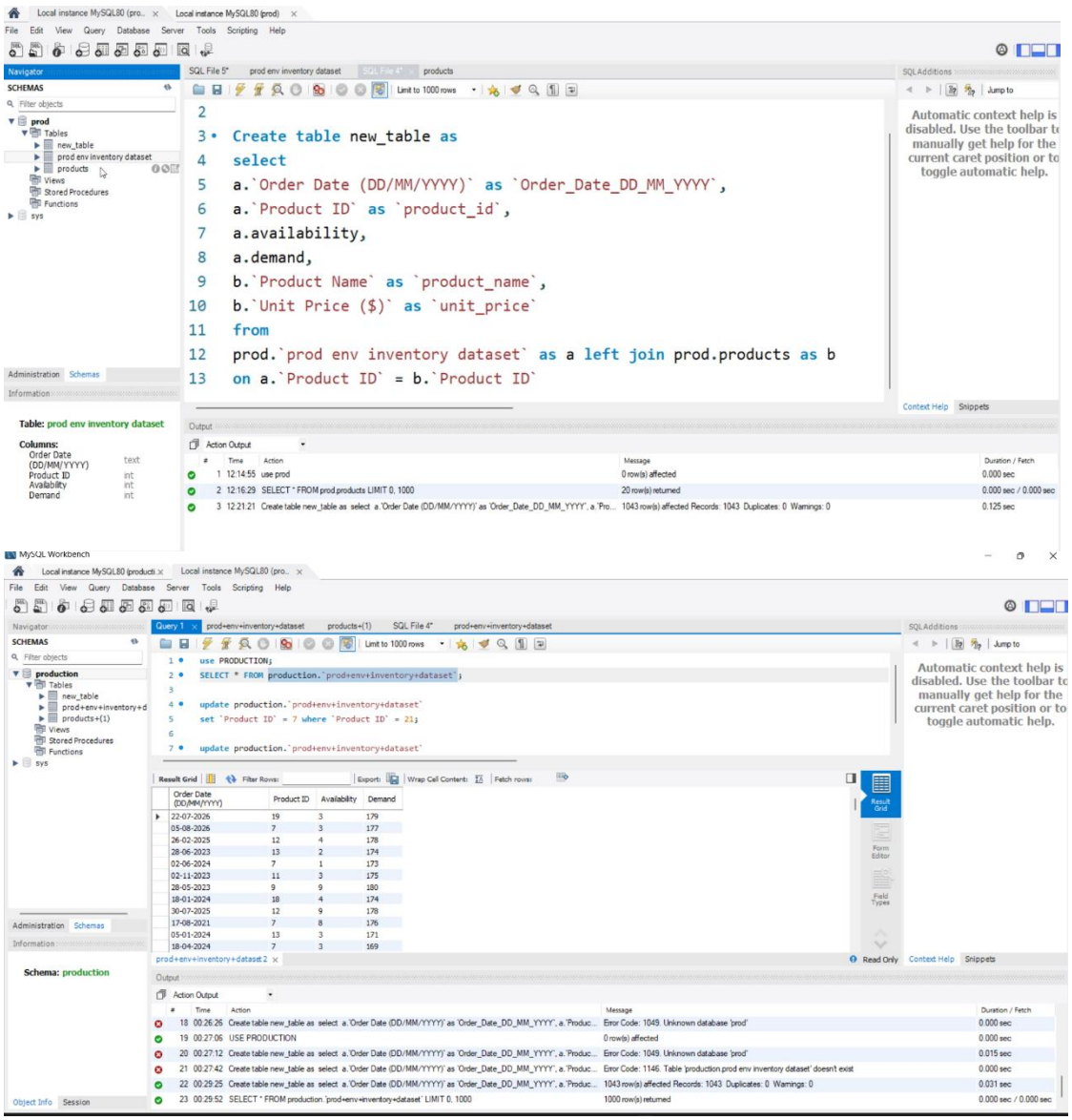
Step 2: Imported the cleaned data into **Power BI** and created custom **DAX measures** and **KPI functions** to calculate key metrics. Separate DAX logic was developed for both **Page 1 (Test Environment)** and **Page 2 (Production Environment)** to enable accurate performance analysis.

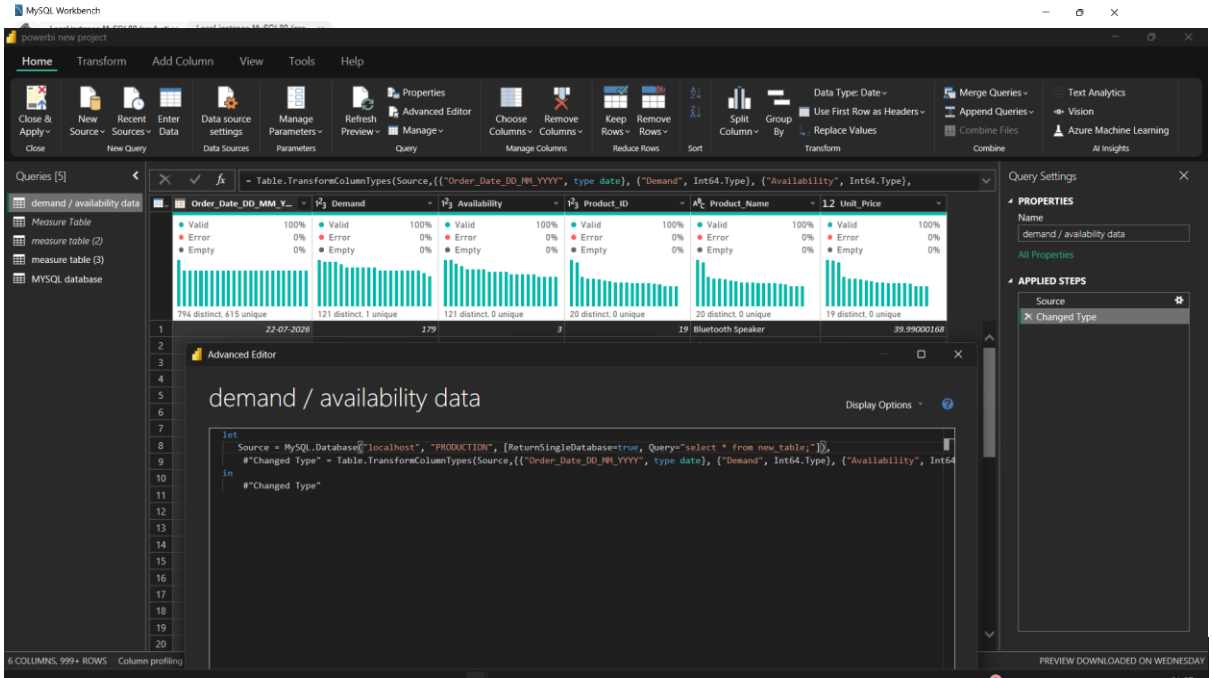


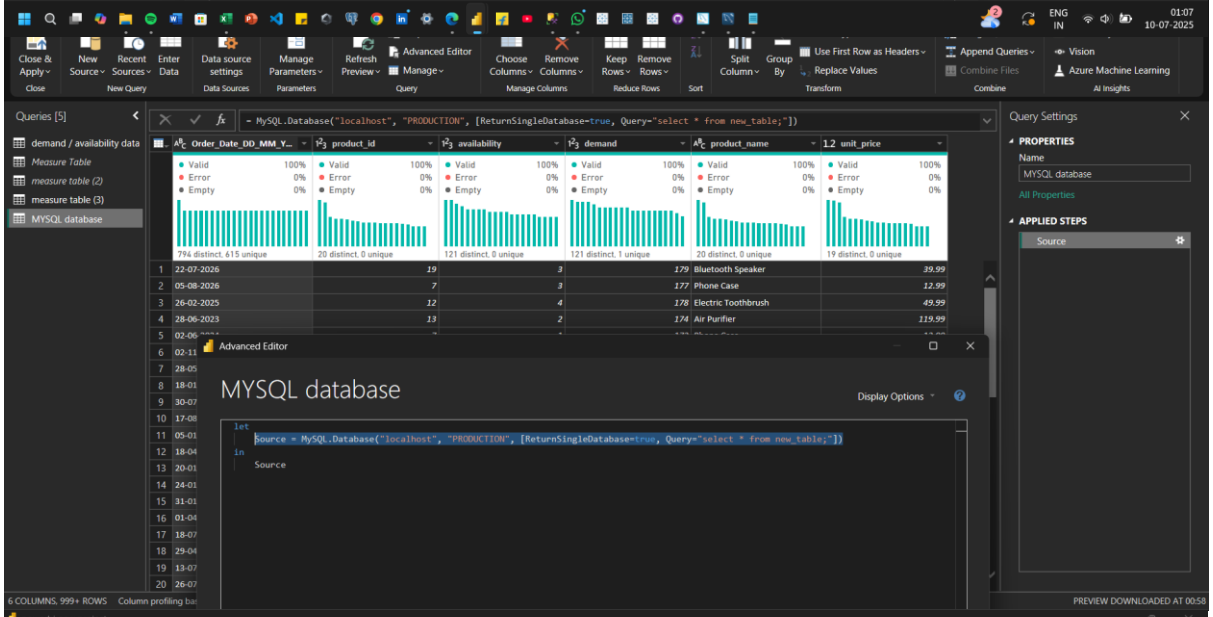


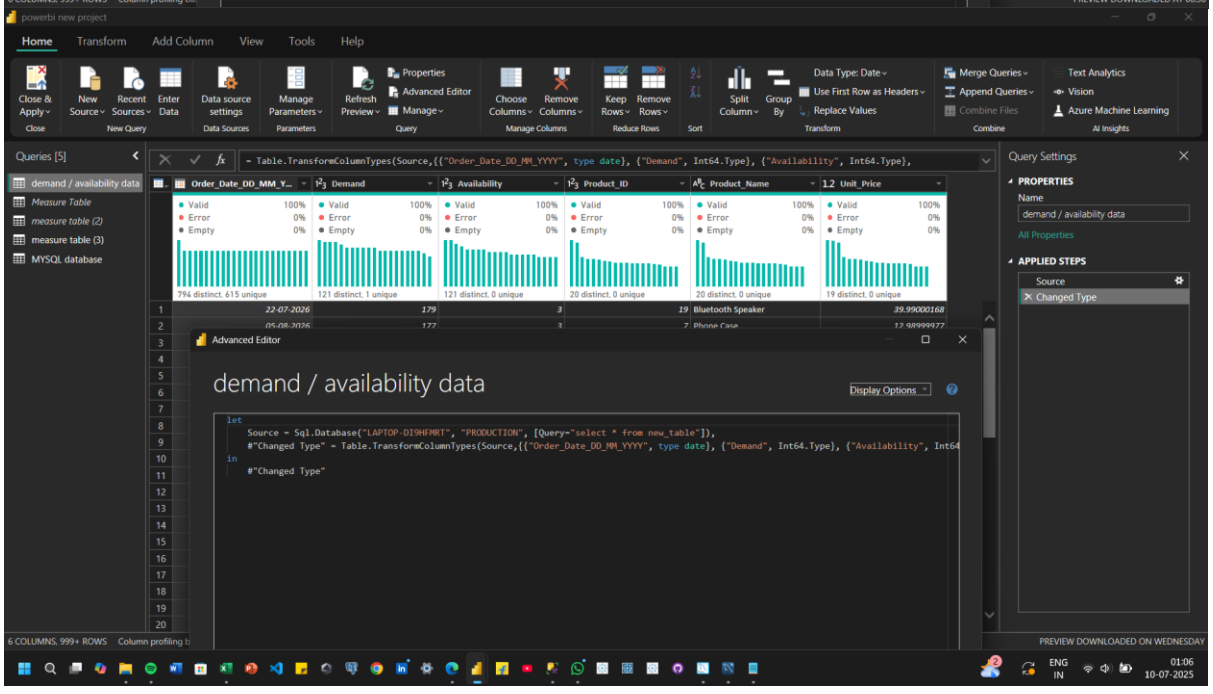
Step 3: Imported the data into the **Production Environment** using **MySQL Workbench** by writing equivalent SQL code to generate the required tables. The resulting structured data was then imported into **Power BI** for further analysis and reporting.transition report using advanced editor in

Power BI editor




MySQL Workbench
powerbi new project
Home
Transform
Add Column
View
Tools
Help
Queries [5]
demand / availability data
Measure Table
measure table (2)
measure table (3)
MYSQL database
= Table.TransformColumnTypes(Source,{{"Order_Date_DD_MM_YYYY", type date}, {"Demand", Int64.Type}, {"Availability", Int64.Type},
Order_Date_DD_MM_Y...
Demand
Availability
Product_ID
Product_Name
Unit_Price
794 distinct, 615 unique
121 distinct, 1 unique
121 distinct, 0 unique
20 distinct, 0 unique
20 distinct, 0 unique
19 distinct, 0 unique
1 22-07-2026 179 3 19 Bluetooth Speaker 39.99000168
Advanced Editor
demand / availability data
Display Options
let
Source = MySQL.Database("localhost", "PRODUCTION", [ReturnSingleDatabase=true, Query="select * from new_table;"]),
#"Changed Type" = Table.TransformColumnTypes(Source,{{"Order_Date_DD_MM_YYYY", type date}, {"Demand", Int64.Type}, {"Availability", Int64
in
#"Changed Type"
Query Settings
PROPERTIES
Name
demand / availability data
All Properties
APPLIED STEPS
Source
Changed Type
6 COLUMNS, 999+ ROWS
Column profiling
PREVIEW DOWNLOADED ON WEDNESDAY
ENG
IN
01:07
10-07-2025


Queries [5]
demand / availability data
Measure Table
measure table (2)
measure table (3)
MYSQL database
= MySQL.Database("localhost", "PRODUCTION", [ReturnSingleDatabase=true, Query="select * from new_table;"])
Order_Date_DD_MM_Y...
product_id
availability
demand
product_name
unit_price
794 distinct, 615 unique
20 distinct, 0 unique
121 distinct, 0 unique
121 distinct, 1 unique
20 distinct, 0 unique
19 distinct, 0 unique
1 22-07-2026 19 3 179 Bluetooth Speaker 39.99
2 05-08-2026 7 3 177 Phone Case 12.99
3 26-02-2025 12 4 178 Electric Toothbrush 49.99
4 28-06-2023 13 2 174 Air Purifier 119.99
Advanced Editor
MYSQL database
Display Options
let
Source = MySQL.Database("localhost", "PRODUCTION", [ReturnSingleDatabase=true, Query="select * from new_table;"])
in
Source
Query Settings
PROPERTIES
Name
MYSQL database
All Properties
APPLIED STEPS
Source
6 COLUMNS, 999+ ROWS
PREVIEW DOWNLOADED AT 00:58


powerbi new project
Home
Transform
Add Column
View
Tools
Help
Queries [5]
demand / availability data
Measure Table
measure table (2)
measure table (3)
MYSQL database
= Table.TransformColumnTypes(Source,{{"Order_Date_DD_MM_YYYY", type date}, {"Demand", Int64.Type}, {"Availability", Int64.Type},
Order_Date_DD_MM_Y...
Demand
Availability
Product_ID
Product_Name
Unit_Price
794 distinct, 615 unique
121 distinct, 1 unique
121 distinct, 0 unique
20 distinct, 0 unique
20 distinct, 0 unique
19 distinct, 0 unique
1 22-07-2026 179 3 19 Bluetooth Speaker 39.99000168
Advanced Editor
demand / availability data
Display Options
let
Source = Sql.Database("LAPTOP-DI9HFMRT", "PRODUCTION", [Query="select * from new_table"]),
#"Changed Type" = Table.TransformColumnTypes(Source,{{"Order_Date_DD_MM_YYYY", type date}, {"Demand", Int64.Type}, {"Availability", Int64
in
#"Changed Type"
Query Settings
PROPERTIES
Name
demand / availability data
All Properties
APPLIED STEPS
Source
Changed Type
6 COLUMNS, 999+ ROWS
PREVIEW DOWNLOADED ON WEDNESDAY
ENG
IN
01:06
10-07-2025