

A  
**REPORT**  
ON  
**SALES\_PRODUCTS**  
PERFORMED BY  
IBAD ASAD QUADRI (BSC  
CHEMISTRY)  
GUIDED BY  
SARJIL SATWARE(MS-IT &  
SPECIALIZATION IN DATA SCIENCE)  
DATE OF SUBMISSION:-

# **DECLARTION**

This is to declare that MR. IBAD ASAD QUADRI (BSC CHEMISTRY) have successfully completed their project titled:  
**"DATA ANALYTICS ON MEDICAL DATA ANALYSIS"** as part of their academic curriculum. The project was completed under the valuable guidance of MR. SARJIL SATWARE (M.SC. IN IT & SPECIALIZATION IN DATA SCIENCE)

**SUBMITTED BY :-**

**IBAD ASAD QUADRI**

## **Aim :-**

The aim of this project is to analyze sales data, identify key trends, and provide insights into product performance, customer behavior, and revenue growth. The project helps businesses make data-driven decisions for improving sales strategies.

## **Objective:-**

The objective of this project is to prepare and analyze sales data to track revenue, identify top-performing products and regions, and generate actionable insights through data visualization for better business decision-making.

## **Keywords :-**

Sales Analysis

Revenue Trends

Customer Behavior

Profit & Loss

Product Performance

Data Visualization

Power BI / Excel / MySQL

Business Insights

Dashboard Reporting

Decision Making

# **TOOLS/SOFTWARES USED :**

**FOR DATA RETRIEVAL:**

**MYSQL COMMUNITY SERVER & MYSQL WORKBENCH**

**FOR DATA IMPORT & EXPORT:**

**EXCEL**

**FOR DATA VISUALIZATION:**

**POWERBI.**

## **PROCEDURE :-**

### **CREATING DATABASE:-**

```
mysql> create database tech_products;
Query OK, 1 row affected (1.13 sec)
```

### **TAKING OUR CREATED DATABASE IN CUSTODY FOR MAKING CHANGES:-**

```
mysql> use tech_products;
Database changed
mysql>
```

### **CREATING THE TABLE SHOWING THE CREATED TABLES AND STRUCTURE OF THE TABLE :-**

```
mysql> desc tech_products;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Transaction ID | text | YES | | NULL |
| Product | text | YES | | NULL |
| Quantity | int | YES | | NULL |
| Unit Price (INR) | int | YES | | NULL |
| Date | text | YES | | NULL |
| Customer Name | text | YES | | NULL |
| State | text | YES | | NULL |
| Country | text | YES | | NULL |
| Sales Channel | text | YES | | NULL |
| Payment Type | text | YES | | NULL |
| Sales | int | YES | | NULL |
+-----+-----+-----+-----+-----+
11 rows in set (0.52 sec)
```

## DISPLAYING THE INSERTED VALUE TABLE FORMAT :

Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0002 178443	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0004 8835	E-Reader	3	2945	2024-09-11	Shray Chawla	Manipur	India	Online	Credit Card
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006 130921	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card
TX0009 24558	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI
TX0010 56704	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI
TX0011 11790	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI
TX0012 177666	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card
TX0013 95715	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI
TX0014 37709	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	Debit Card
TX0015 118344	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card
TX0016 70065	Camera	9	7785	2024-02-15	Nakul Hora	Uttar Pradesh	India	Direct	Debit Card
TX0017 21786	Smartwatch	20	7262	2023-12-03	Rhea Hegde	Odisha	India	Online	Cash

## UPDATE CUSTOMER NAME:-

mysql> UPDATE TECH_PRODUCTS SET Quantity = 20 WHERE Product = 'Smartwatch';									
Query OK, 110 rows affected (0.07 sec)									
Rows matched: 110 Changed: 110 Warnings: 0									
mysql> UPDATE TECH_PRODUCTS SET Quantity = 15 WHERE Product = 'Laptop';									
Query OK, 101 rows affected (0.06 sec)									
Rows matched: 101 Changed: 101 Warnings: 0									
mysql> UPDATE TECH_PRODUCTS SET Quantity = 8 WHERE Product = ' Desktop PC';									
Query OK, 0 rows affected (0.00 sec)									
Rows matched: 0 Changed: 0 Warnings: 0									
mysql> select * from tech_products;									
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0002 178443	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0004 8835	E-Reader	3	2945	2024-09-11	Shray Chawla	Manipur	India	Online	Credit Card
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006 130921	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card
TX0009 24558	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI

## USE OF OPERATORS

### 1. EQUAL TO (=)

Select * from tech_products where Quantity=4;									
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0018 11588	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
TX0024 59888	Camera	4	14772	2023-11-04	Miraya Sahota	Kerala	India	Direct	Net Banking
TX0025 56860	Headphones	4	14215	2024-01-22	Hansh Rau	Kerala	India	Direct	Debit Card
TX0028 33300	Desktop PC	4	8325	2023-11-06	Damini Bhat	Nagaland	India	Online	Cash

## NOT EQUAL TO

( $\neq$ )

mysql> select * from tech_products WHERE Quantity !=15;										
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card	
TX0002 178443	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card	
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card	
TX0004 88335	E-Reader	3	2945	2024-09-11	Shrey Chawla	Manipur	India	Online	Credit Card	
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card	
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card	
TX0009 24558	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI	
TX0010 56704	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI	
TX0011 11790	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI	

## GREATER THAN ( $>$ )

mysql> select * from tech_products where sales>8835;										
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card	
TX0002 178443	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card	
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card	
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking	
TX0006 130921	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking	
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card	
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card	
TX0009 24558	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI	
TX0010 56704	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI	
TX0011 11790	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI	
TX0012 177660	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card	

## GREATER THAN EQUAL TO

( $\geq$ )

mysql> select * from tech_products where sales>=80469;										
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card	
TX0002 178443	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card	
TX0006 130921	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking	
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card	
TX0012 177660	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card	
TX0013 95715	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI	
TX0015 118344	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card	
TX0023 188444	E-Reader	6	18074	2024-02-07	Gokul Devi	Telangana	India	Online	Credit Card	
TX0031 90864	E-Reader	8	11358	2023-12-15	Hiran Kata	Uttarakhand	India	Store	UPI	
TX0032 125952	Camera	8	15744	2024-01-29	Shalv Sodhi	Arunachal Pradesh	India	Online	Debit Card	
TX0040 120159	E-Reader	9	13351	2024-08-08	Adrika Seshadri	Mizoram	India	Direct	Debit Card	
TX0041 81430	Camera	5	16286	2024-08-12	Veer Soman	Chhattisgarh	India	Direct	Net Banking	
TX0047 81000	Smartwatch	20	9000	2024-08-14	Dhanuk Dasgupta	Sikkim	India	Store	UPI	
TX0052 139977	Smartphone	9	15553	2024-04-30	Mishti Sahota	Manipur	India	Online	Credit Card	
TX0054 92289	Desktop PC	5	18457	2024-03-07	Adira Suresh	Gujarat	India	Direct	UPI	
TX0055 11790	Laptop	15	19124	2024-08-23	Aradhya Sarin	Telangana	India	Direct	Credit Card	

## LESS THAN( $<$ )

mysql> select * from tech_products where sales<11392;										
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	
TX0004 8835	E-Reader	3	2945	2024-09-11	Shrey Chawla	Manipur	India	Online	Credit Card	
TX0034 7792	Smartwatch	20	3896	2024-09-02	Heer Borra	Assam	India	Online	Net Banking	
TX0042 4978	Laptop	15	4978	2024-03-31	Amira Badal	Himachal Pradesh	India	Direct	Cash	
TX0046 4437	Desktop PC	1	4437	2023-10-16	Zaina Sani	Kerala	India	Direct	UPI	
TX0048 8642	Smartwatch	20	4321	2024-02-06	Nakul Lalla	Uttarakhand	India	Direct	Credit Card	

## LESS THAN EQUAL TO(≤)

mysql> select * from tech_products where sales<=66560;										
Sales	Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
66560	TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
8835	TX0004	E-Reader	3	2945	2024-09-11	Shray Chawla	Manipur	India	Online	Credit Card
11392	TX0005	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
38560	TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
24558	TX0009	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI
56784	TX0010	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI
11798	TX0011	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI
37709	TX0014	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	Debit Card
21786	TX0017	Smartwatch	20	7262	2023-12-03	Rhea Hegde	Odisha	India	Online	Cash
11508	TX0018	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
12486	TX0020	Printer	6	2081	2024-08-02	Dharmajan Wable	Assam	India	Store	Cash
16984	TX0021	Laptop	15	4246	2024-07-25	Myra Chanda	Uttar Pradesh	India	Online	Cash
50988	TX0024	Camera	4	14772	2023-11-04	Miraya Sahota	Kerala	India	Direct	Net Banking
56868	TX0025	Headphones	4	14215	2024-01-22	Hansh Rau	Kerala	India	Direct	Debit Card
50192	TX0026	External Hard Drive	8	6274	2024-01-27	Heer Gole	Punjab	India	Direct	Cash
50192	TX0027	External Hard Drive	8	5670	2024-07-01	Divyansh Ahluwalia	Mizoram	India	Store	Cash

## NULL

```
mysql> select * from tech_products where state is null;
Empty set (0.00 sec)
```

## NOT NULL

mysql> select * from tech_products where state is not null;										
Sales	Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
80469	TX0001	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
178443	TX0002	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
66560	TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
8835	TX0004	E-Reader	3	2945	2024-09-11	Shray Chawla	Manipur	India	Online	Credit Card
11392	TX0005	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
130921	TX0006	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
38560	TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
106323	TX0008	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card
24558	TX0009	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI
177660	TX0010	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI
11798	TX0011	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI
177660	TX0012	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card
95715	TX0013	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI
37709	TX0014	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	Debit Card
118344	TX0015	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card
TX0016	TX0016	Camera	9	7785	2024-02-15	Nakul Hora	Uttar Pradesh	India	Direct	Debit Card

## AND

mysql> select * from tech_products where product="Smartwatch" and Country="India";											
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	Sales	
TX0001	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card	80469	
TX0011	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI	11790	
TX0017	Smartwatch	20	7262	2023-12-03	Rhea Hegde	Odisha	India	Online	Cash	21786	
TX0034	Smartwatch	20	3896	2024-09-02	Heen Borra	Assam	India	Online	Net Banking	7792	
TX0045	Smartwatch	20	5963	2024-04-18	Neelofar Kohli	Rajasthan	India	Online	Debit Card	35778	
TX0047	Smartwatch	20	9000	2024-08-14	Dhanuk Dasgupta	Sikkim	India	Store	UPI	81000	
TX0048	Smartwatch	20	4321	2024-02-06	Nakul Lalla	Uttarakhand	India	Direct	Credit Card	8642	
TX0064	Smartwatch	20	12242	2023-10-02	Myra Gala	Karnataka	India	Online	Credit Card	24484	
TX0065	Smartwatch	20	10977	2024-08-22	Prisha Gade	West Bengal	India	Store	Debit Card	54885	
TX0069	Smartwatch	20	17480	2024-03-12	Arhaan Bhandari	Tamil Nadu	India	Store	Net Banking	104880	
TX0078	Smartwatch	20	13385	2023-11-04	Kashvi Batra	Meghalaya	India	Direct	Cash	40155	

## OR

mysql> select * from tech_products where Country="India" or Sales=8835;											
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	Sales	
TX0001	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card	80469	
TX0002	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card	178443	
TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card	66560	
TX0004	E-Reader	3	2945	2024-09-11	Shrey Chawla	Manipur	India	Online	Credit Card	88235	
TX0005	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking	11392	
TX0006	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking	130921	
TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card	38560	
TX0008	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card	106323	
TX0009	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI	24558	
TX0010	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI	56784	
TX0011	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI	11790	
TX0012	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card	177660	
TX0013	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI	95715	
TX0014	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	Debit Card	37709	
TX0015	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card	118344	
TX0016	Camera	9	7785	2024-02-15	Nakul Hora	Uttar Pradesh	India	Direct	Debit Card	70065	
TX0017	Smartwatch	20	7262	2023-12-03	Rhea Hegde	Odisha	India	Online	Cash	59688	

## BETWEEN

mysql> SELECT *FROM tech_products WHERE Quantity BETWEEN 4 AND 10;											
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	Sales	
TX0002	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card	178443	
TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card	66560	
TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card	38560	
TX0008	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card	106323	
TX0009	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI	24558	
TX0010	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI	56784	
TX0011	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI	11790	
TX0012	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card	177660	
TX0013	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI	95715	
TX0014	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	Debit Card	37709	
TX0015	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card	118344	
TX0016	Camera	9	7785	2024-02-15	Nakul Hora	Uttar Pradesh	India	Direct	Debit Card	70065	
TX0018	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash	11508	
TX0019	Printer	8	9997	2023-11-30	Miraan Rastogi	Gujarat	India	Direct	Debit Card	79976	
TX0020	Printer	6	2081	2024-08-02	Dharmajan Wable	Assam	India	Store	Cash	12486	
TX0023	E-Reader	6	18074	2024-02-07	Gokul Devi	Telangana	India	Online	Credit Card	108444	
TX0024	Camera	4	14772	2023-11-04	Miraya Sahota	Kerala	India	Direct	Net Banking	59688	

# NOTBETWEEN

Tech Product Sales Analysis - Q3 2024									
Product Line: Smartwatches									
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0004 8835	E-Reader	3	2945	2024-09-11	Shrey Chawla	Manipur	India	Online	Credit Card
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006 130921	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0009 24558	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI
TX0011 11790	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI
TX0013 95715	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI
TX0015 118344	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card
TX0017 21786	Smartwatch	20	7262	2023-12-03	Rhea Hegde	Odisha	India	Online	Cash
TX0018 11508	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
TX0020 12486	Printer	6	2081	2024-08-02	Dharmajan Wable	Assam	India	Store	Cash
TX0021 16984	Laptop	15	4246	2024-07-25	Myra Chanda	Uttar Pradesh	India	Online	Cash
TX0022	Laptop	15	14316	2024-05-25	Lavanya Koshy	Arunachal Pradesh	India	Direct	UPI

IN

Global Product Sales Analysis - Q4 2023										
Transaction ID	Product	Product Details			Sales Performance			Geographic & Channel Data		
		Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type	
TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card	
66560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card	
TX0007	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card	
38560	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI	
TX0013	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	Debit Card	
106323	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash	
95715	Camera	4	14772	2023-11-04	Miraya Sahota	Kerala	India	Direct	Net Banking	
37789	Headphones	4	14215	2024-01-22	Hansh Rau	Kerala	India	Direct	Debit Card	
TX0014	Desktop PC	4	8325	2023-11-06	Damini Bhat	Nagaland	India	Online	Cash	
33300	E-Reader	4	7947	2023-09-27	Keya Chacko	Mizoram	India	Direct	Net Banking	
TX0030	Camera	5	16286	2024-08-12	Veer Soman	Chhattisgarh	India	Direct	Net Banking	
31788	Printer	4	12400	2024-06-02	Shayak Dixit	Tripura	India	Direct	Cash	
TX0041	Desktop PC	5	18457	2024-03-07	Adira Suresh	Gujarat	India	Direct	UPI	
81430	Camera	4	2739	2024-03-22	Alisha Zachariah	Andhra Pradesh	India	Store	Credit Card	
TX0051	Smartphone	4	7390	2024-02-01	Aarav Yohannan	Andhra Pradesh	India	Online	UPI	
49600	E-Reader	7	17469	2024-04-02	Arnav Bhavsar	Karnataka	India	Direct	Cash	
92285	Desktop PC	5	10956	2024-01-15	Pratik Patel	Uttar Pradesh	India	Online	Credit Card	
TX0057	Camera	4	29560	2024-05-20	Shivani Kapoor	Jharkhand	India	Direct	Cash	
TX0059	Smartphone	4	12283	2024-06-10	Rishabh Mehta	Odisha	India	Online	Credit Card	
29560	E-Reader	7	17469	2024-04-02	Arnav Bhavsar	Karnataka	India	Direct	Cash	

NOTIN

Tech Product Sales Analysis									
Transaction ID	Product	Quantity		Unit Price (INR)		Date		Customer Name	State
		Sales	Returns	Cost	Revenue	Purchased	Shipped		
TX0001	Smartwatch	20	0	8941	178820	2024-04-12	2024-04-15	Vivaan Sastry	Arunachal Pradesh
80469	Desktop PC	4	0	16640	66560	2023-12-16	2023-12-18	Azad Sandhu	Bihar
TX0003	E-Reader	3	0	2945	8835	2024-09-11	2024-09-13	Shray Chawla	Manipur
66560	Laptop	15	0	2848	11392	2023-10-24	2023-10-26	Zara Kata	Madhya Pradesh
TX0005	Laptop	15	0	18703	130921	2023-12-24	2023-12-26	Vritika Kata	Meghalaya
TX0006	Tablet	4	0	9640	TX0007	2023-11-27	2023-11-29	Hrishita Dada	Goa
38560	External Hard Drive	7	0	15189	186323	2024-07-13	2024-07-15	Anaya Sachar	Punjab
TX0008	Tablet	6	0	4093	TX0009	2024-01-30	2024-01-31	Indrans Jani	Meghalaya
24558	Smartwatch	20	0	11790	TX0011	2024-07-03	2024-07-05	Lavanya Lal	Sikkim
11790	Printer	5	0	19143	TX0013	2024-09-17	2024-09-19	Abram Shetty	Tripura
95715	Desktop PC	7	0	5387	TX0014	2023-10-24	2023-10-26	Anaya Sunder	Karnataka
37709	Desktop PC	6	0	19724	118344	2023-12-21	2023-12-23	Farhan Mand	Manipur
TX0017	Smartwatch	20	0	7262	21786	2023-12-03	2023-12-05	Rhea Hegde	Odisha
TX0018	Printer	4	0	2877	11508	2024-04-21	2024-04-23	Shanaya Desai	Andhra Pradesh
TX0020	Printer	6	0	2081	12486	2024-08-02	2024-08-04	Dharmajan Wable	Assam
TX0021	Laptop	15	0	4246	16984	2024-07-25	2024-07-27	Myra Chanda	Uttar Pradesh
TX0022	Laptop	15	0	14316	71580	2024-05-25	2024-05-27	Lavanya Koshy	Arunachal Pradesh

## USE OF AGGEGATE FUNCTION:

### 1. MIN

```
mysql> select Min(sales) from tech_products;
+-----+
| Min(sales) |
+-----+
|      2043 |
+-----+
1 row in set (0.03 sec)
```

### 2. MAX

```
mysql> select Max(Quantity) from tech_products;
+-----+
| Max(Quantity) |
+-----+
|        20 |
+-----+
1 row in set (0.00 sec)
```

### 3. COUNT

```
+-----+
| Count(sales) |
+-----+
|      1000 |
+-----+
1 row in set (0.07 sec)
```

### 4. SUM

```
mysql> select Sum(Quantity) from tech_products;
+-----+
| Sum(Quantity) |
+-----+
|      7593 |
+-----+
1 row in set (0.00 sec)
```

### 5. AVG

```
mysql> select AVG(SALES) from tech_products;
+-----+
| AVG(SALES) |
+-----+
| 51202.1170 |
+-----+
1 row in set (0.06 sec)
```

## USE OF CLAUSES

### 1. HAVING

```
mysql> select * from tech_products having sales;
```

Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0001 80469	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0002 178443	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
TX0003 66560	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0004 8835	E-Reader	3	2945	2024-09-11	Shrey Chawla	Manipur	India	Online	Credit Card
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006 130921	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
TX0007 38560	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card

### 2. DISTINCT

```
mysql> SELECT DISTINCT (Country) From Tech_Products;
```

Country
India

1 row in set (0.06 sec)

### 3. GROUP BY

```
mysql> SELECT Product, SUM(Sales) AS Total_Sales
-> FROM tech_products
-> GROUP BY Product;
```

Product	Total_Sales
Smartwatch	5192638
Desktop PC	5217319
E-Reader	5139202
Laptop	4782084
Tablet	5070487
External Hard Drive	5758590
Smartphone	5345422
Headphones	4007274
Printer	5546024
Camera	5143077

10 rows in set (0.01 sec)

#### 4. ORDER BY

Transaction ID	Product Sales	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0006	Laptop	15	4741	2024-08-08	Stuvan Korpal	Andhra Pradesh	India	Online	Net Banking
28446									
TX0771	Tablet	5	19685	2024-04-11	Piya Agarwal	Andhra Pradesh	India	Store	Net Banking
98425									
TX0519	Tablet	5	8429	2024-09-07	Vivaan Sethi	Andhra Pradesh	India	Store	Cash
42145									
TX0850	Printer	6	17852	2024-08-21	Ojas Mangal	Andhra Pradesh	India	Store	Credit Card
167112									
TX0018	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
11508									
TX0224	Printer	9	19332	2024-04-18	Pari Koshy	Andhra Pradesh	India	Online	Net Banking
173988									
TX0049	Printer	2	12180	2024-05-13	Indrajit Chandra	Andhra Pradesh	India	Store	Credit Card
24360									
TX0276	Desktop PC	7	3588	2024-05-12	Alisha Arya	Andhra Pradesh	India	Store	Cash
25116									
TX0607	E-Reader	6	14151	2024-09-22	Farhan Trivedi	Andhra Pradesh	India	Direct	UPI
84906									
TX0465	Printer	9	11444	2024-02-11	Suhana Singh	Andhra Pradesh	India	Online	Net Banking
162996									
TX0737	Smartphone	5	14876	2024-04-03	Farhan Goyal	Andhra Pradesh	India	Store	Net Banking
74380									
TX0849	Smartwatch	20	17469	2023-09-25	Samarth Tak	Andhra Pradesh	India	Online	Net Banking
34938									
TX0219	E-Reader	3	14236	2024-09-12	Samiha Sanghvi	Andhra Pradesh	India	Online	UPI
42708									
TX0477	Printer	9	17766	2024-06-10	Arhaan Balay	Andhra Pradesh	India	Direct	UPI
159894									
TX0547	Desktop PC	6	9992	2024-05-14	Jayant Kade	Andhra Pradesh	India	Direct	Net Banking
59952									
TX0057	Camera	4	2739	2024-03-22	Alisha Zachariah	Andhra Pradesh	India	Store	Credit Card

## 5. LIMIT

## **6. OFFSET**

Tech Product Sales Data									
Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
<b>Sales</b>									
TX0101 15034	Camera	2	7517	2024-05-12	Lagan Sarna	Tamil Nadu	India	Store	Debit Card
TX0102 82773	Smartphone	9	9197	2024-08-03	Jayan Balasubramanian	Punjab	India	Store	Cash
TX0103 55830	Smartphone	5	11166	2024-01-18	Mamooty Thaman	Himachal Pradesh	India	Online	Debit Card
TX0104 156888	External Hard Drive	8	19611	2024-09-23	Prerak Badal	Kerala	India	Store	Net Banking
TX0105 14767	E-Reader	1	14767	2024-02-12	Yuvana Bhasin	West Bengal	India	Online	Net Banking

## 7. LIKE

```
mysql> SELECT State from tech_products where State like "A%";
```

State
Arunachal Pradesh
Assam
Assam
Andhra Pradesh
Assam
Arunachal Pradesh
Arunachal Pradesh
Assam
Arunachal Pradesh
Andhra Pradesh
Andhra Pradesh
Andhra Pradesh
Assam
Assam
Assam
Arunachal Pradesh
Arunachal Pradesh
Arunachal Pradesh
Assam
Assam
Arunachal Pradesh
Andhra Pradesh
Assam
Arunachal Pradesh
Assam
Assam
Arunachal Pradesh
Andhra Pradesh

## CASE(IF ELSE)

```
mysql> SELECT Product, Sales, CASE
ale' END AS Sales FROM tech_products;
```

Product	Sales	Sales
Smartwatch	80469	High Sale
Desktop PC	178443	High Sale
Desktop PC	66560	Medium Sale
E-Reader	8835	Low Sale
Laptop	11392	Low Sale
Laptop	130921	High Sale
Tablet	38560	Medium Sale
External Hard Drive	106323	High Sale
Tablet	24558	Low Sale
Smartphone	56704	Medium Sale
Smartwatch	11790	Low Sale
Headphones	177660	High Sale
Printer	95715	High Sale
Desktop PC	37789	Medium Sale
Desktop PC	118344	High Sale
Camera	70065	Medium Sale
Smartwatch	21786	Low Sale

## JOINS

### 1. CROSS JOIN

Sales	Product	Quantity	State
20192	Tablet	20	Arunachal Pradesh
25636	Tablet	20	Arunachal Pradesh
51728	Camera	20	Arunachal Pradesh
69768	Printer	20	Arunachal Pradesh
50004	Desktop PC	20	Arunachal Pradesh
11062	Laptop	20	Arunachal Pradesh
78552	Tablet	20	Arunachal Pradesh
38898	Smartwatch	20	Arunachal Pradesh
27441	Tablet	20	Arunachal Pradesh
14592	Camera	20	Arunachal Pradesh
3311	Smartwatch	20	Arunachal Pradesh
18590	Smartwatch	20	Arunachal Pradesh
18872	Desktop PC	20	Arunachal Pradesh
15788	Printer	20	Arunachal Pradesh
118872	Headphones	20	Arunachal Pradesh
6120	Headphones	20	Arunachal Pradesh
108216	Smartwatch	20	Arunachal Pradesh
49542	Smartwatch	20	Arunachal Pradesh
29892	Desktop PC	20	Arunachal Pradesh
19658	Camera	20	Arunachal Pradesh
6723	Headphones	20	Arunachal Pradesh
75050	Camera	20	Arunachal Pradesh
85235	External Hard Drive	20	Arunachal Pradesh
14486	Smartwatch	20	Arunachal Pradesh
50536	Camera	20	Arunachal Pradesh
33921	Laptop	20	Arunachal Pradesh

## POWER BI

### CLEANING DATA FROM AFTER TRANSFORM THE DATA.

#### RENAME VALUE :-

The screenshot shows the Microsoft Power Query Editor interface. The main area displays a table titled "SalesData" with columns: Transaction ID, Product, Quantity, Unit Price (INR), Date, and Customer Name. The table contains 24 rows of sample data. To the right of the table, the "Applied Steps" pane is open, showing the following sequence of transformations:

- Source
- Navigation
- Promoted Headers
- Changed Type

The "Properties" pane on the right shows the query name is set to "SalesData".

## CAPITALIZED FOR EACH WORD

The screenshot shows the Power Query Editor interface with the 'Transform' tab selected. A context menu is open over the 'Customer Name' column, specifically under the 'Change Type' section. The 'Text' option is currently selected. Other available options in this section include 'lowercase', 'UPPERCASE', 'Capitalize Each Word', 'Trim', 'Clean', 'Length', 'JSON', and 'XML'.

## TRIM

The screenshot shows the Power Query Editor interface with the 'Transform' tab selected. A context menu is open over the 'Unit Price (INR)' column, specifically under the 'Change Type' section. The 'Text' option is currently selected. Other available options in this section include 'lowercase', 'UPPERCASE', 'Capitalize Each Word', 'Trim', 'Clean', 'Length', 'JSON', and 'XML'.

## DAX FORMULA

### TOTAL AVERAGE FORMULA

Screenshot of Power BI Desktop showing the creation of a measure named "Average sales". The formula is set to `AVERAGE([SalesData[Sales Channel]])`. The Data pane shows the SalesData table with various columns like Transaction ID, Product, Quantity, Unit price, Date, Customer Name, State, Country, Sales Channel, Payment Type, and Sales.

Transaction ID	Product	Quantity	Unit price	Date	Customer Name	State	Country	Sales Channel	Payment Type	Sales
TX0020	Printer	6	2081	02 August 2024	Dharmajan Wable	Assam	India	Store	Cash	12
TX0027	External Hard Drive	8	5670	01 July 2024	Divyansh Ahluwalia	Mizoram	India	Store	Cash	45
TX0043	Tablet	3	10629	22 September 2024	Ryan Sidhu	Kerala	India	Store	Cash	31
TX0070	Smartphone	3	16998	30 December 2023	Inaaya Varughese	Kerala	India	Store	Cash	50
TX0071	Headphones	6	7330	25 June 2024	Divit Srivastava	Maharashtra	India	Store	Cash	43
TX0080	Desktop PC	2	7612	03 September 2024	Divij Seth	Mizoram	India	Store	Cash	15
TX0085	Printer	1	12305	22 June 2024	Nirvi Bhalla	Haryana	India	Store	Cash	12
TX0102	Smartphone	9	9197	03 August 2024	Jayan Balasubramanian	Punjab	India	Store	Cash	82
TX0114	Desktop PC	4	7074	11 April 2024	Prisha Chanda	Madhya Pradesh	India	Store	Cash	28
TX0135	Camera	2	4737	09 February 2024	Pihu Bakshi	Jharkhand	India	Store	Cash	9
TX0162	Camera	8	19800	03 April 2024	Vanya Chowdhury	Goa	India	Store	Cash	158
TX0166	External Hard Drive	2	17455	09 October 2023	Farhan Jhaveri	Assam	India	Store	Cash	34
TX0189	Tablet	6	11993	28 August 2024	Parinaz Lall	Andhra Pradesh	India	Store	Cash	71
TX0190	Printer	1	13133	01 June 2024	Zain Lad	Odisha	India	Store	Cash	13
TX0198	Tablet	9	18074	12 June 2024	Anahi Wagle	Uttar Pradesh	India	Store	Cash	162
TX0207	External Hard Drive	4	3565	15 September 2024	Manjari Shenoy	Manipur	India	Store	Cash	14
TX0229	Printer	8	3175	05 November 2023	Purab Raja	Kerala	India	Store	Cash	25
TX0231	Smartphone	7	19589	08 December 2023	Suhana Konda	Sikkim	India	Store	Cash	137
TX0233	External Hard Drive	8	12350	01 November 2023	Ayesha Sarraf	Himachal Pradesh	India	Store	Cash	98
TX0244	Smartphone	8	12274	27 September 2023	Shray Jain	Chhattisgarh	India	Store	Cash	98
TX0252	Tablet	4	7666	08 July 2024	Fateh Agarwal	Punjab	India	Store	Cash	30

### TOTAL SALES

Screenshot of Power BI Desktop showing the creation of a measure named "total sales". The formula is set to `Sum(SalesData[Sales])`. The Data pane shows the SalesData table with various columns like Transaction ID, Product, Quantity, Unit price, Date, Customer Name, State, Country, Sales Channel, Payment Type, and Sales.

Transaction ID	Product	Quantity	Unit price	Date	Customer Name	State	Country	Sales Channel	Payment Type	Sales
TX0020	Printer	6	2081	02 August 2024	Dharmajan Wable	Assam	India	Store	Cash	12
TX0027	External Hard Drive	8	5670	01 July 2024	Divyansh Ahluwalia	Mizoram	India	Store	Cash	45
TX0043	Tablet	3	10629	22 September 2024	Ryan Sidhu	Kerala	India	Store	Cash	31
TX0070	Smartphone	3	16998	30 December 2023	Inaaya Varughese	Kerala	India	Store	Cash	50
TX0071	Headphones	6	7330	25 June 2024	Divit Srivastava	Maharashtra	India	Store	Cash	43
TX0080	Desktop PC	2	7612	03 September 2024	Divij Seth	Mizoram	India	Store	Cash	15
TX0085	Printer	1	12305	22 June 2024	Nirvi Bhalla	Haryana	India	Store	Cash	12
TX0102	Smartphone	9	9197	03 August 2024	Jayan Balasubramanian	Punjab	India	Store	Cash	82
TX0114	Desktop PC	4	7074	11 April 2024	Prisha Chanda	Madhya Pradesh	India	Store	Cash	28
TX0135	Camera	2	4737	09 February 2024	Pihu Bakshi	Jharkhand	India	Store	Cash	9
TX0162	Camera	8	19800	03 April 2024	Vanya Chowdhury	Goa	India	Store	Cash	158
TX0166	External Hard Drive	2	17455	09 October 2023	Farhan Jhaveri	Assam	India	Store	Cash	34
TX0189	Tablet	6	11993	28 August 2024	Parinaz Lall	Andhra Pradesh	India	Store	Cash	71
TX0190	Printer	1	13133	01 June 2024	Zain Lad	Odisha	India	Store	Cash	13
TX0198	Tablet	9	18074	12 June 2024	Anahi Wagle	Uttar Pradesh	India	Store	Cash	162
TX0207	External Hard Drive	4	3565	15 September 2024	Manjari Shenoy	Manipur	India	Store	Cash	14
TX0229	Printer	8	3175	05 November 2023	Purab Raja	Kerala	India	Store	Cash	25
TX0231	Smartphone	7	19589	08 December 2023	Suhana Konda	Sikkim	India	Store	Cash	137
TX0233	External Hard Drive	8	12350	01 November 2023	Ayesha Sarraf	Himachal Pradesh	India	Store	Cash	98
TX0244	Smartphone	8	12274	27 September 2023	Shray Jain	Chhattisgarh	India	Store	Cash	98
TX0252	Tablet	4	7666	08 July 2024	Fateh Agarwal	Punjab	India	Store	Cash	30

# TOTALQUANTITY

Untitled - Power BI Desktop

File Home Help Table tools Measure tools

Name: total quantity Format: Whole number Data category: Uncategorized

Home table: SalesData

Structure Formatting Properties Calculations

Auto recovery contains some recovered files that haven't been opened.

View recovered files X Data

Search

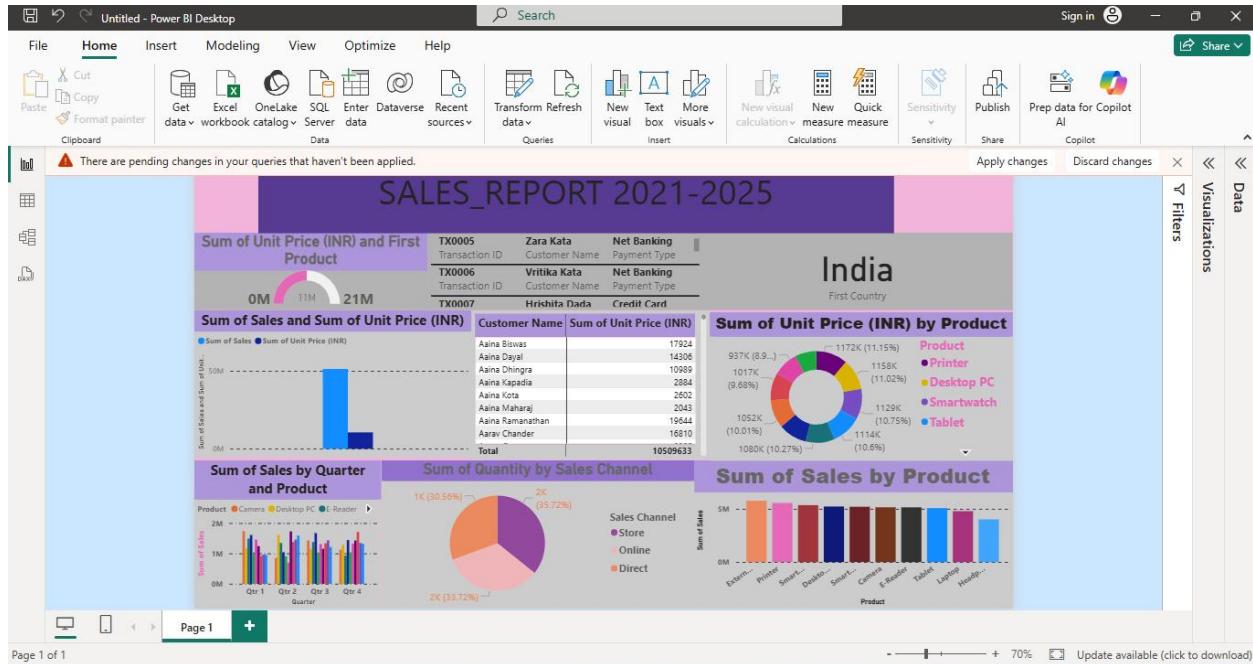
1 total quantity = SUM(SalesData[Quantity])

Transaction ID	Product	Quantity	Unit price	Date	Customer Name	State	Country	Sales Channel	Payment Type	Sales
TX0020	Printer	6	2081	02 August 2024	Dharmajan Wable	Assam	India	Store	Cash	12
TX0027	External Hard Drive	8	5670	01 July 2024	Divyansh Ahluwalia	Mizoram	India	Store	Cash	45
TX0043	Tablet	3	10629	22 September 2024	Ryan Sidhu	Kerala	India	Store	Cash	31
TX0070	Smartphone	3	16998	30 December 2023	Inaaya Varughese	Kerala	India	Store	Cash	50
TX0071	Headphones	6	7330	25 June 2024	Divit Srivastava	Maharashtra	India	Store	Cash	43
TX0080	Desktop PC	2	7612	03 September 2024	Divij Seth	Mizoram	India	Store	Cash	15
TX0085	Printer	1	12305	22 June 2024	Nirvi Bhalla	Haryana	India	Store	Cash	12
TX0102	Smartphone	9	9197	03 August 2024	Jayan Balasubramanian	Punjab	India	Store	Cash	82
TX0114	Desktop PC	4	7074	11 April 2024	Prisha Chanda	Madhya Pradesh	India	Store	Cash	28
TX0135	Camera	2	4737	09 February 2024	Pihu Bakshi	Jharkhand	India	Store	Cash	9
TX0162	Camera	8	19800	03 April 2024	Vanya Chowdhury	Goa	India	Store	Cash	158
TX0166	External Hard Drive	2	17455	09 October 2023	Farhan Jhaveri	Assam	India	Store	Cash	34
TX0189	Tablet	6	11993	28 August 2024	Parinaaz Lall	Andhra Pradesh	India	Store	Cash	71
TX0190	Printer	1	13133	01 June 2024	Zain Lad	Odisha	India	Store	Cash	13
TX0198	Tablet	9	18074	12 June 2024	Anahi Wagle	Uttar Pradesh	India	Store	Cash	162
TX0207	External Hard Drive	4	3565	15 September 2024	Manjari Shenoy	Manipur	India	Store	Cash	14
TX0229	Printer	8	3175	05 November 2023	Purab Raja	Kerala	India	Store	Cash	25
TX0231	Smartphone	7	19589	08 December 2023	Suhana Konda	Sikkim	India	Store	Cash	137
TX0233	External Hard Drive	8	12350	01 November 2023	Ayesha Sarraf	Himachal Pradesh	India	Store	Cash	98
TX0244	Smartphone	8	12274	27 September 2023	Shray Jain	Chhattisgarh	India	Store	Cash	98
TX0252	Tablet	4	7666	08 July 2024	Fateh Aqqarwal	Punjab	India	Store	Cash	30

Table: SalesData (1,000 rows) Column: total quantity (0 distinct values)

Update available (click to download)

# DASHBORD



## CONCLUSION

The sales report revealed important insights such as high-performing products, regional sales distribution, seasonal trends, and customer purchase behavior. By visualizing and analyzing the data, the project highlights opportunities to increase revenue, optimize inventory, and improve overall sales performance.