

**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:-

DECLARATION

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_produpts;
Database changed
mysql>
```

CREATING THE TABLE SHOWING THE CREADED 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)
```

DISPLYANG THE INSERTED VALUE TABLE FORMAT :

mysql> SELECT * FROM TECH_PRODUCTS;

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

USE OF OPERATORS

1. EQUAL TO (=)

mysql> select * from tech_products where Quantity=4;

Transaction ID	Product	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
TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0013	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
TX0014	Camera	4	14772	2023-11-04	Miraya Sahota	Kerala	India	Direct	Net Banking
TX0015	Headphones	4	14215	2024-01-22	Hansh Rau	Kerala	India	Direct	Debit Card
TX0028	Desktop PC	4	8325	2023-11-06	Damini Bhat	Nagaland	India	Online	Cash

NOT EQUAL TO

(!=)

```
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	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0002	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0004	E-Reader	3	2945	2024-09-11	Shray Chawla	Manipur	India	Online	Credit Card
TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0008	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card
TX0009	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI
TX0010	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI
TX0011	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	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0002	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
TX0003	Desktop PC	4	16640	2023-12-16	Azad Sandhu	Bihar	India	Online	Credit Card
TX0005	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
TX0007	Tablet	4	9640	2023-11-27	Hrishita Dada	Goa	India	Store	Credit Card
TX0008	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card
TX0009	Tablet	6	4093	2024-01-30	Indrans Jani	Meghalaya	India	Online	UPI
TX0010	Smartphone	8	7088	2023-11-15	Shaan Dhar	Assam	India	Online	UPI
TX0011	Smartwatch	20	11790	2024-07-03	Lavanya Lal	Sikkim	India	Online	UPI
TX0012	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card

GREATER THAN EQUAL TO

(>=)

```
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	Smartwatch	20	8941	2024-04-12	Vivaan Sastry	Arunachal Pradesh	India	Store	Credit Card
TX0002	Desktop PC	9	19827	2024-02-06	Ishaan Madan	Odisha	India	Store	Credit Card
TX0006	Laptop	15	18703	2023-12-24	Vritika Kata	Meghalaya	India	Store	Net Banking
TX0008	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit Card
TX0012	Headphones	9	19740	2024-09-11	Prisha Bakshi	Assam	India	Direct	Credit Card
TX0013	Printer	5	19143	2024-09-17	Abram Shetty	Tripura	India	Store	UPI
TX0015	Desktop PC	6	19724	2023-12-21	Farhan Mand	Manipur	India	Direct	Debit Card
TX0023	E-Reader	6	18074	2024-02-07	Gokul Devi	Telangana	India	Online	Credit Card
TX0031	E-Reader	8	11358	2023-12-15	Hiran Kata	Uttarakhand	India	Store	UPI
TX0032	Camera	8	15744	2024-01-29	Shalv Sodhi	Arunachal Pradesh	India	Online	Debit Card
TX0040	E-Reader	9	13351	2024-08-08	Advika Seshadri	Mizoram	India	Direct	Debit Card
TX0041	Camera	5	16286	2024-08-12	Veer Soman	Chhattisgarh	India	Direct	Net Banking
TX0047	Smartwatch	20	9000	2024-08-14	Dhanuk Dasgupta	Sikkim	India	Store	UPI
TX0052	Smartphone	9	15553	2024-04-30	Mishti Sahota	Manipur	India	Online	Credit Card
TX0054	Desktop PC	5	18457	2024-03-07	Adira Suresh	Gujarat	India	Direct	UPI
TX0055	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	E-Reader	3	2945	2024-09-11	Shray Chawla	Manipur	India	Online	Credit Card
TX0034	Smartwatch	20	3896	2024-09-02	Heer Borra	Assam	India	Online	Net Banking
TX0042	Laptop	15	4978	2024-03-31	Amira Badal	Himachal Pradesh	India	Direct	Cash
TX0046	Desktop PC	1	4437	2023-10-16	Zaina Sani	Kerala	India	Direct	UPI
TX0048	Smartwatch	20	4321	2024-02-06	Nakul Lalla	Uttarakhand	India	Direct	Credit Card

LESS THAN EQAUL TO(<=)

```
mysql> select * from tech_products where sales<=66560;
```

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
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
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
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
TX0014 37709	Desktop PC	7	5387	2023-10-24	Anaya Sunder	Karnataka	India	Online	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
TX0024 50088	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
TX0026 50192	External Hard Drive	8	6274	2024-01-27	Heer Gole	Punjab	India	Direct	Cash
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;
```

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 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
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	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	Heer 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	Shray Chawla	Manipur	India	Online	Credit Card	8035
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	56704
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	

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	56704
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	59088

NOTBETWEEN

```
mysql> SELECT *FROM tech_products WHERE Quantity NOT BETWEEN 7 AND 9;
```

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	Shray Chawla	Manipur	India	Online	Credit Card
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006 130021	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

```
mysql> SELECT *FROM tech_products WHERE Quantity IN (4,5,7);
```

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
TX0008 106323	External Hard Drive	7	15189	2024-07-13	Anaya Sachar	Punjab	India	Online	Debit 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
TX0018 11508	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
TX0024 59088	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
TX0030 31788	E-Reader	4	7947	2023-09-27	Keya Chacko	Mizoram	India	Direct	Net Banking
TX0041 81430	Camera	5	16286	2024-08-12	Veer Soman	Chhattisgarh	India	Direct	Net Banking
TX0051 49600	Printer	4	12400	2024-06-02	Shayak Dixit	Tripura	India	Direct	Cash
TX0054 92285	Desktop PC	5	18457	2024-03-07	Adira Suresh	Gujarat	India	Direct	UPI
TX0057 10956	Camera	4	2739	2024-03-22	Alisha Zachariah	Andhra Pradesh	India	Store	Credit Card
TX0059 29560	Smartphone	4	7390	2024-02-01	Aarav Yohannan	Andhra Pradesh	India	Online	UPI
TX0074 122283	E-Reader	7	17469	2024-04-02	Arnav Bhavsar	Karnataka	India	Direct	Cash

NOTIN

```
mysql> SELECT *FROM tech_products WHERE Quantity NOT IN (8,9,10);
```

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	Shray Chawla	Manipur	India	Online	Credit Card
TX0005 11392	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking
TX0006 130021	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
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
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
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 71580	Laptop	15	14316	2024-05-25	Lavanya Koshy	Arunachal Pradesh	India	Direct	UPI

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	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

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

```
mysql> SELECT *
-> FROM tech_products
-> ORDER BY State ASC;
```

Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
TX0606 28446	Laptop	15	4741	2024-08-08	Stuvan Korpai	Andhra Pradesh	India	Online	Net Banking
TX0771 98425	Tablet	5	19685	2024-04-11	Piya Agarwal	Andhra Pradesh	India	Store	Net Banking
TX0519 42145	Tablet	5	8429	2024-09-07	Vivaan Sethi	Andhra Pradesh	India	Store	Cash
TX0850 107112	Printer	6	17852	2024-08-21	Ojas Mangal	Andhra Pradesh	India	Store	Credit Card
TX0018 11508	Printer	4	2877	2024-04-21	Shanaya Desai	Andhra Pradesh	India	Online	Cash
TX0224 173088	Printer	9	19332	2024-04-18	Pari Koshy	Andhra Pradesh	India	Online	Net Banking
TX0049 24360	Printer	2	12180	2024-05-13	Indrajit Chandra	Andhra Pradesh	India	Store	Credit Card
TX0276 25116	Desktop PC	7	3588	2024-05-12	Alisha Arya	Andhra Pradesh	India	Store	Cash
TX0607 84906	E-Reader	6	14151	2024-09-22	Farhan Trivedi	Andhra Pradesh	India	Direct	UPI
TX0465 102996	Printer	9	11444	2024-02-11	Suhana Singh	Andhra Pradesh	India	Online	Net Banking
TX0737 74380	Smartphone	5	14876	2024-04-03	Farhan Goyal	Andhra Pradesh	India	Store	Net Banking
TX0849 34938	Smartwatch	20	17469	2023-09-25	Samarth Tak	Andhra Pradesh	India	Online	Net Banking
TX0219 42708	E-Reader	3	14236	2024-09-12	Samiha Sanghvi	Andhra Pradesh	India	Online	UPI
TX0477 159894	Printer	9	17766	2024-06-10	Arhaan Balay	Andhra Pradesh	India	Direct	UPI
TX0547 59952	Desktop PC	6	9992	2024-05-14	Jayant Kade	Andhra Pradesh	India	Direct	Net Banking
TX0057	Camera	4	2739	2024-03-22	Alisha Zachariah	Andhra Pradesh	India	Store	Credit Card

5. LIMIT

```
mysql> select * from tech_products limit 5;
```

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	Shray Chawla	Manipur	India	Online	Credit Card	8835
TX0005	Laptop	15	2848	2023-10-24	Zara Kata	Madhya Pradesh	India	Direct	Net Banking	11392

5 rows in set (0.00 sec)

6. OFFSET

```
mysql> select * from tech_products limit 5 offset 100;
```

Transaction ID	Product	Quantity	Unit Price (INR)	Date	Customer Name	State	Country	Sales Channel	Payment Type
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	Yuvaan Bhasin	West Bengal	India	Online	Net Banking

5 rows in set (0.00 sec)

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 WHEN Sales > 80000 THEN 'High Sale' WHEN Sales BETWEEN 30000 AND 80000 THEN 'Medium Sale' ELSE 'Low S
```

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	37709	Medium Sale
Desktop PC	118344	High Sale
Camera	70065	Medium Sale
Smartwatch	21786	Low Sale

JOINS

1. CROSS JOIN

mysql> SELECT A.Sales, A.Product, B.Quantity, B.State FROM tech_products A CROSS JOIN tech_products B;

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
19650	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 TRSFORM THE DATA.

RENAME VALUE :-

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New Source

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Data source settings

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Properties

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Choose Columns

Remove Columns

Keep Rows

Remove Rows

Split Column

Group By

Replace Values

Data Type: Whole Number

Use First Row as Headers

Merge Queries

Append Queries

Combine Files

Text Analytics

Vision

Azure Machine Learning

Queries [1]

×

✓

*f*_x

= Table.TransformColumnTypes(#"Promoted Headers",{{"Transaction ID", type text}, {"Product", type text},

SalesData

Transaction ID

Product

Quantity

Unit Price (INR)

Date

Customer Name

1

TX0001

Smartwatch

9

8941

12-04-2024

Vivaan Sastr

2

TX0002

Desktop PC

9

19827

06-02-2024

Ishaan Mada

3

TX0003

Desktop PC

4

16640

16-12-2023

Azad Sandhu

4

TX0004

E-Reader

3

2945

11-09-2024

Shray Chawli

5

TX0005

Laptop

4

2848

24-10-2023

Zara Kata

6

TX0006

Laptop

7

18703

24-12-2023

Vritika Kata

7

TX0007

Tablet

4

9640

27-11-2023

Hirishita Dadi

8

TX0008

External Hard Drive

7

15189

19-07-2024

Anaya Sacha

9

TX0009

Tablet

6

4093

30-01-2024

Indrans Jani

10

TX0010

Smartphone

8

7088

15-11-2023

Shaan Dhar

11

TX0011

Smartwatch

1

11790

09-07-2024

Lavanya Lal

12

TX0012

Headphones

9

19740

11-09-2024

Prisha Baksh

13

TX0013

Printer

5

19143

17-09-2024

Abram Shett

14

TX0014

Desktop PC

7

5387

24-10-2023

Anaya Sunde

15

TX0015

Desktop PC

6

19724

21-12-2023

Farhan Manc

16

TX0016

Camera

9

7785

15-02-2024

Nakul Hora

17

TX0017

Smartwatch

3

7262

03-12-2023

Rhea Hegde

18

TX0018

Printer

4

2877

21-04-2024

Shanaya Des

19

TX0019

Printer

8

9997

30-11-2023

Miraan Rastc

20

TX0020

Printer

6

2081

02-08-2024

Dharmajan V

21

TX0021

Laptop

4

4246

25-07-2024

Myra Chandi

22

TX0022

Laptop

5

14316

25-05-2024

Lavanya Kosi

23

TX0023

E-Reader

6

18074

07-02-2024

Gokul Devi

24

Query Settings

PROPERTIES

Name

SalesData

All Properties

APPLIED STEPS

Source

Navigation

Promoted Headers

Changed Type

11 COLUMNS, 999+ ROWS

Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 12:04

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New Source

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Enter Data

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Manage Parameters

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Properties

Advanced Editor

Choose Columns

Remove Columns

Keep Rows

Remove Rows

Split Column

Group By

Data Type: Text

Use First Row as Headers

Replace Values

Merge Queries

Append Queries

Combine Files

Text Analytics

Vision

Azure Machine Learning

Queries [1]

fx

= Table.TransformColumns(#"Removed Duplicates",{{"Customer Name", Text.Proper, type text}})

Query Settings

SalesData

	Quantity	Unit price	Date	Customer Name
1	9	8941	12-04-2024	Vivaan Sastry
2	9	19827	06-02-2024	Ishaan Madan
3	4	16640	16-12-2023	Azad Sandhu
4	3	2945	11-09-2024	Shray Chawla
5	4	2848	24-10-2023	Zara Kata
6	7	18703	24-12-2023	Vritika Kata
7	4	9640	27-11-2023	Hrishita Dada
8	7	15189	13-07-2024	Anaya Sachar
9	6	4093	30-01-2024	Indrans Jani
10	8	7088	15-11-2023	Shaan Dhar
11	1	11790	03-07-2024	Lavanya Lal
12	9	19740	11-09-2024	Prisha Bakshi
13	5	19143	17-09-2024	Abram Shetty
14	7	5387	24-10-2023	Anaya Sunder
15	6	19724	21-12-2023	Farhan Mand
16	9	7785	15-02-2024	Nakul Hora
17	3	7262	03-12-2023	Rhea Hegde
18	4	2877	21-04-2024	Shanaya Desai
19	8	9997	30-11-2023	Miraan Rastogi
20	6	2081	02-08-2024	Dharmajan Wable
21	4	4246	25-07-2024	Myra Chanda
22	5	14316	25-05-2024	Lavanya Koshy
23	6	18074	07-02-2024	Gokul Devi

11 COLUMNS, 999+ ROWS

Column profiling based on top 1000 rows

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Data source settings

Manage Parameters

Refresh Preview

Properties

Advanced Editor

Choose Columns

Remove Columns

Keep Rows

Remove Rows

Split Column

Group By

Data Type: Text

Use First Row as Headers

Replace Values

Merge Queries

Append Queries

Combine Files

Text Analytics

Vision

Azure Machine Learning

Queries [1]

fx

= Table.RenameColumns(#"Changed Type",{{"Unit Price (INR)", "Unit price"}})

Query Settings

SalesData

Transaction ID	Product	Quantity	Unit price	Date	Customer Name
1	Smartwatch	9	8941	12-04-2024	Vivaan Sastry
2	Desktop PC	9	19827	06-02-2024	Ishaan Madan
3	Desktop PC	4	16640	16-12-2023	Azad Sandhu
4	E-Reader	3	2945	11-09-2024	Shray Chawla
5	Laptop	4	2848	24-10-2023	Zara Kata
6	Laptop	7	18703	24-12-2023	Vritika Kata
7	Tablet	4	9640	27-11-2023	Hrishita Dada
8	External Hard Drive	7	15189	13-07-2024	Anaya Sachar
9	Tablet	6	4093	30-01-2024	Indrans Jani
10	Smartphone	8	7088	15-11-2023	Shaan Dhar
11	Smartwatch	1	11790	03-07-2024	Lavanya Lal
12	Headphones	9	19740	11-09-2024	Prisha Bakshi
13	Printer	5	19143	17-09-2024	Abram Shetty
14	Desktop PC	7	5387	24-10-2023	Anaya Sunder
15	Desktop PC	6	19724	21-12-2023	Farhan Mand
16	Camera	9	7785	15-02-2024	Nakul Hora
17	Smartwatch	3	7262	03-12-2023	Rhea Hegde
18	Printer	4	2877	21-04-2024	Shanaya Desai
19	Printer	8	9997	30-11-2023	Miraan Rastogi
20	Printer	6	2081	02-08-2024	Dharmajan Wable
21	Laptop	4	4246	25-07-2024	Myra Chanda
22	Laptop	5	14316	25-05-2024	Lavanya Koshy
23	E-Reader	6	18074	07-02-2024	Gokul Devi

11 COLUMNS, 999+ ROWS

Column profiling based on top 1000 rows

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DAX FORMULA

TOTAL AVERAGE FORMULA

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FileHomeHelpTable toolsMeasure tools

NameAverage sales

FormatWhole number

Home tableSalesData

\$ % 0

Data categoryUncategorized

New measureQuick measure

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

View recovered files

1 Average sales = AVERAGE(SalesData[Sales Channel])

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 Aggarwal	Punjab	India	Store	Cash	30

Table: SalesData (1,000 rows) Column: Average sales (0 distinct values)

Update available (click to download)

TOTAL SALES

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FileHomeHelpTable toolsMeasure tools

Nametotal sales

FormatWhole number

Home tableSalesData

\$ % 0

Data categoryUncategorized

New measureQuick measure

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

View recovered files

1 total sales = Sum(SalesData[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	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 Aggarwal	Punjab	India	Store	Cash	30

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

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TOTALQUANTITY

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Nametotal quantity

FormatWhole number

Data categoryUncategorized

New Quick measure measure

Home tableSalesData

\$ % ¢ 0

StructureFormattingPropertiesCalculations

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

View recovered files

×

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
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TX0190	Printer	1	13133	01 June 2024	Zain Lad	Odisha	India	Store	Cash	13
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TX0252	Tablet	4	7666	08 July 2024	Fateh Aggarwal	Punjab	India	Store	Cash	30

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

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SalesData

Country

Customer Name

Date

Payment Type

Product

Quantity

Sales

Sales Channel

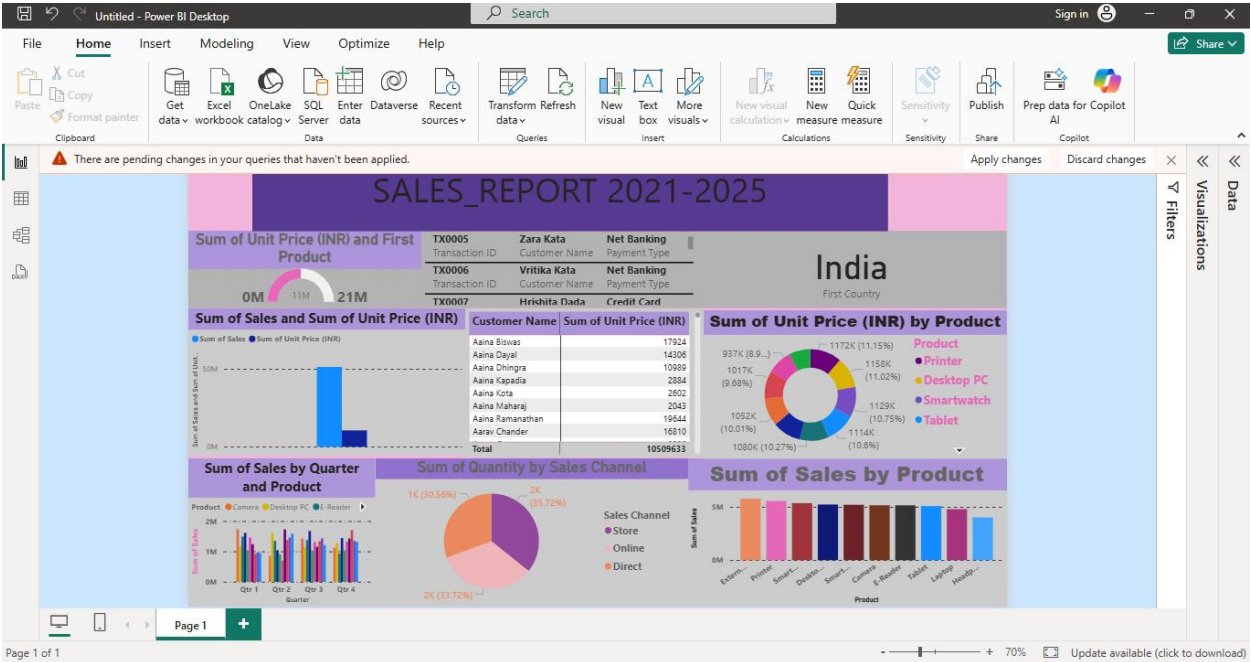
State

total quantity

Transaction ID

Unit price

DASHBORD



CONCLUSIONE

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.