sneha (59))

```
IN OrderDetails as C  on B.OrderID = C.OrderID
IN Products as D  on  C.ProductID = D.ProductID

You can then view it easily:

LECT * FROM SalesSummary


 index
EATE INDEX idx_orderdate ON Orders(OrderDate)

LECT * FROM Orders WHERE OrderDate BETWEEN '2025-01-01' AND '2025-06-30'
```

50 ⚠ 0

ssages

tomerID	OrderDate
	2025-01-01
	2025-01-04
	2025-01-07
	2025-01-10
	2025-01-13
	2025-01-16
	2025-01-19
	2025-01-22
	2025-01-25
	2025-01-28
	2025-01-31

successfully.

localhost

```sql
Create Database Ecommerce_db
Use  Ecommerce_db
select * from customers
where city = 'Delhi'

select * from products
order by price desc

select category , sum(price)  as TotalCategoryvalue from products
group by category

--customers and their orders
SELECT A.CustomerName, B.OrderID, B.OrderDate
FROM Customers as A
INNER JOIN Orders as  B ON A.CustomerID = B.CustomerID
```

87 % 50 0

Results Messages

	CustomerID	CustomerName	City	Country
1	8	Customer_8	Delhi	India
2	11	Customer_11	Delhi	India
3	14	Customer_14	Delhi	India
4	29	Customer_29	Delhi	India

```sql
Use  Ecommerce_db
select * from customers
where city = 'Delhi'

select * from products
order by price desc

select category , sum(price)  as TotalCategoryvalue from products
group by category

--customers and their orders
SELECT A.CustomerName, B.OrderID, B.OrderDate
FROM Customers as A
INNER JOIN Orders as  B ON A.CustomerID = B.CustomerID
```

37 % 50 0

Results Messages

	ProductID	ProductName	Category	Price
1	109	Product_9	Fashion	56535
2	110	Product_10	Home & Kitchen	53242
3	112	Product_12	Sports	48404
4	101	Product_1	Fashion	47915
5	104	Product_4	Fashion	46217
6	111	Product_11	Home & Kitchen	43440
7	116	Product_16	Home & Kitchen	42990
8	107	Product_7	Home & Kitchen	39196
9	108	Product_8	Home & Kitchen	38776
10	105	Product_5	Home & Kitchen	34188
11	113	Product_13	Electronics	33023

QL_Analysis...A\sneha (59))

```sql
Create Database Ecommerce_db
Use  Ecommerce_db
select * from customers
where city = 'Delhi'

select * from products
order by price desc

select category , sum(price)  as TotalCategoryvalue from products
group by category

--customers and their orders
SELECT A.CustomerName, B.OrderID, B.OrderDate
FROM Customers as A
INNER JOIN Orders as  B ON A.CustomerID = B.CustomerID
```

7 % 50 0

Results Messages

	category	TotalCategoryvalue
1	Electronics	33023
2	Fashion	150667
3	Furniture	74370
4	Home & Kitchen	278966
5	Sports	80814

Query executed successfully

```
7   order by price desc
8
9   select category , sum(price)  as TotalCategoryvalue from products
10  group by category
11
12  --customers and their orders
13  SELECT A.CustomerName, B.OrderID, B.OrderDate
14  FROM Customers as A
15  INNER JOIN Orders as  B ON A.CustomerID = B.CustomerID
16
17  --Customers who have not placed any orders
18  SELECT A.CustomerName
19  FROM Customers as A
20  LEFT JOIN Orders as B  on  A.CustomerID = B.CustomerID
21  WHERE B.OrderID IS NULL
```

50 0

Messages

CustomerName	OrderID	OrderDate
Customer_12	1001	2025-01-01
Customer_17	1002	2025-01-04
Customer_2	1003	2025-01-07
Customer_19	1004	2025-01-10
Customer_18	1005	2025-01-13
Customer_10	1006	2025-01-16
Customer_19	1007	2025-01-19
Customer_17	1008	2025-01-22
Customer_6	1009	2025-01-25
Customer_21	1010	2025-01-28
Customer_21	1011	2025-01-31

ery executed successfully.

```
neha (59))
ECT A.CustomerName, B.OrderID, B.OrderDate
M Customers as A
ER JOIN Orders as  B ON A.CustomerID = B.CustomerID

ustomers who have not placed any orders
ECT A.CustomerName
M Customers as A
T JOIN Orders as B  on  A.CustomerID = B.CustomerID
RE B.OrderID IS NULL

ull Sales Data

ECT A.CustomerName, D.ProductName, C.Quantity, (D.Price * C.Quantity) AS TotalAmount, B.
M Customers as  A
N Orders as  B on  A.CustomerID = B.CustomerID
0   ⚠ 0
sages
```

```
neha (59))

ull Sales Data

ECT A.CustomerName, D.ProductName, C.Quantity, (D.Price * C.Quantity) AS TotalAmount, B.OrderDat
M Customers as  A
N Orders as  B on  A.CustomerID = B.CustomerID
N OrderDetails as C on  B.OrderID = C.OrderID
N Products D ON C.ProductID = D.ProductID

Top 5 products by quantity sold
ECT TOP 5 A.ProductName, SUM(B.Quantity) AS TotalSold
M Products as A
N OrderDetails as B  on  A.ProductID = B.ProductID
UP BY A.ProductName
ER BY TotalSold DESC
```

0 ⚠ 0

ages

ProductName	Quantity	TotalAmount	OrderDate
Product_1	1	47915	2025-09-16
Product_15	5	87275	2025-01-22
Product_3	2	8666	2025-06-24
Product_2	1	11154	2025-04-28
Product_4	2	92434	2025-05-22
Product_14	2	16232	2025-01-16
Product_6	5	41905	2025-10-04
Product_9	4	226140	2025-07-06
Product_7	5	195980	2025-02-03
Product_4	4	184868	2025-01-13
Product_19	2	44798	2025-07-18

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localhost\SQ

A\sneha (59))

```
SELECT A.CustomerName, D.ProductName, C.Quantity, (D.Price * C.Quantity) AS TotalAmount, B.OrderD
FROM Customers as  A
JOIN Orders as  B on  A.CustomerID = B.CustomerID
JOIN OrderDetails as C on  B.OrderID = C.OrderID
JOIN Products D ON C.ProductID = D.ProductID

-- Top 5 products by quantity sold
SELECT TOP 5 A.ProductName, SUM(B.Quantity) AS TotalSold
FROM Products as A
JOIN OrderDetails as B  on  A.ProductID = B.ProductID
GROUP BY A.ProductName
ORDER BY TotalSold DESC

--Total Sales by City
```

50 0

lessages

e	TotalSold
	69
	59
	51
	45
	44

ed successfully.

localho

QL_Analysis...A\sneha (59))

```
34  JOIN OrderDetails as B  on  A.ProductID = B.ProductID
35  GROUP BY A.ProductName
36  ORDER BY TotalSold DESC
37
38  --Total Sales by City
39
40  SELECT A.City, SUM(D.Price * C.Quantity) AS TotalSales
41  FROM Customers as A
42  JOIN Orders as B on  A.CustomerID = B.CustomerID
43  JOIN OrderDetails as C  on  B.OrderID = C.OrderID
44  JOIN Products as D  on  C.ProductID = D.ProductID
45  GROUP BY A.City
46  ORDER BY TotalSales DESC
47
48  --Top 3 customers by Purchase value
```

7 % 50 0

Results Messages

	City	TotalSales
1	Kolkata	6768820
2	Pune	6346002
3	Mumbai	4173822
4	Delhi	3587719
5	Bangalore	2037106
6	Chennai	1497189

```
ORDER BY TotalSales DESC

--Top 3 customers by Purchase value

SELECT TOP 3 A.CustomerName, SUM(D.Price * C.Quantity) AS TotalSpent
FROM Customers  as A
JOIN Orders as B  on  A.CustomerID = B.CustomerID
JOIN OrderDetails  as C on  B.OrderID = C.OrderID
JOIN Products as D  on C.ProductID = D.ProductID
GROUP BY A.CustomerName
ORDER BY TotalSpent DESC

--view

CREATE VIEW SalesSummary AS
```

50 0

its Messages

stomerName	TotalSpent
stomer_2	1934686
stomer_12	1729408
stomer_16	1552600

executed successfully.

sneha (59))

```
view

EATE VIEW SalesSummary AS
LECT A.CustomerName, D.ProductName, C.Quantity, (D.Price * C.Quantity) AS TotalAmount, B.OrderDate
OM Customers  as A
N Orders as B  on  A.CustomerID = B.CustomerID
N OrderDetails as C  on B.OrderID = C.OrderID
N Products as D  on  C.ProductID = D.ProductID

You can then view it easily:

LECT * FROM SalesSummary


index
```

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sages

ProductName	Quantity	TotalAmount	OrderDate
Product_1	1	47915	2025-09-16
Product_15	5	87275	2025-01-22
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Product_4	2	92434	2025-05-22
Product_14	2	16232	2025-01-16
Product_6	5	41905	2025-10-04
Product_9	4	226140	2025-07-06
Product_7	5	195980	2025-02-03
Product_4	4	184868	2025-01-13
Product_19	2	44798	2025-07-18

successfully.

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