**-- Get total sales for each product category.**

select Category, round(sum(sales),2) as Total\_sale from smartkart\_full\_sales\_data group by Category;

**Output:**

# Category Total\_sale

Office Supplies 23316516.14

Furniture 27090836.59

Technology 23272837.12

**-- Find the total number of orders.**

select count(distinct Order\_ID) as total\_order from smartkart\_full\_sales\_data;

**Output:**

# total\_order

1000

**-- List all unique products sold.**

select distinct Product\_Name from smartkart\_full\_sales\_data;

**Output:**

# Product\_Name

Pilot Pen

Staples Binder

Office Depot Binder

Conference Table

OnePlus 10

Samsung Galaxy S22

A4 Paper Pack

Printer Paper

Shelf Unit

Samsung Tab S7

**-- Get sales and profit for each region.**

SELECT

region,

round(SUM(Sales),2) AS Total\_Sale,

round(SUM(Profit),2) AS Total\_Profit

FROM

smartkart\_full\_sales\_data

group by region;

**Output:**

# region Total\_Sale Total\_Profit

North 20230743.12 272399.75

South 18265202.89 400977.29

East 17888644.34 213821.1

West 17295599.5 336047.88

**-- Show orders where loss occurred.**

select \* from smartkart\_full\_sales\_data where Profit<0;

**Output:**

# Order\_ID Customer\_ID Order\_Date Ship\_Date Product\_ID Category Sub\_Category Product\_Name Sales Quantity Discount Profit Region

2002 C147 2024-10-04 00:00:00 2024-10-11 00:00:00 P1111 Office Supplies Binders Staples Binder 60488.39 10 0.15 -1814.65 South

2005 C016 2024-06-18 00:00:00 2024-06-25 00:00:00 P1019 Office Supplies Binders Staples Binder 71284.84 9 0.15 -2138.55 East

2008 C206 2024-11-16 00:00:00 2024-11-21 00:00:00 P1118 Technology Mobiles Samsung Galaxy S22 128014.7 3 0.15 -3840.44 North

2013 C106 2024-08-28 00:00:00 2024-09-02 00:00:00 P1087 Furniture Storage Shelf Unit 27720.11 1 0.2 -2217.61 East

2014 C055 2024-06-20 00:00:00 2024-06-25 00:00:00 P1177 Technology Tablets Samsung Tab S7 139090.26 6 0.2 -11127.22 South

2016 C082 2025-03-04 00:00:00 2025-03-10 00:00:00 P1073 Technology Tablets Samsung Tab S7 26944.69 1 0.2 -2155.58 North

2020 C102 2024-11-12 00:00:00 2024-11-17 00:00:00 P1132 Office Supplies Paper A4 Paper Pack 57241.06 10 0.2 -4579.28 East

2022 C099 2025-01-10 00:00:00 2025-01-11 00:00:00 P1033 Furniture Storage Storage Box 48390.46 3 0.15 -1451.71 South

2025 C028 2024-11-23 00:00:00 2024-11-27 00:00:00 P1002 Technology Tablets iPad Air 71383.46 4 0.15 -2141.5 East

2028 C212 2025-01-05 00:00:00 2025-01-12 00:00:00 P1168 Office Supplies Paper Sticky Notes 16797.33 1 0.2 -1343.79 West

**-- Top 5 products by total sales.**

select Product\_Name , round(sum(Sales),1) as Total\_sales from smartkart\_full\_sales\_data

group by Product\_Name

order by Total\_sales desc limit 5;

**Output:**

# Product\_Name Total\_sales

Filing Cabinet 3872681.6

Shelf Unit 3729546

Lenovo Tab M10 3292723.5

Conference Table 3283165.9

Storage Box 3228837.3

**-- Total profit per customer.**

SELECT

Customer\_ID, ROUND(SUM(Profit), 1) AS Total\_Profit

FROM

smartkart\_full\_sales\_data

WHERE

Profit > 0

GROUP BY Customer\_ID;

**Output:**

# Customer\_ID Total\_Profit

C205 4829

C151 16365.6

C203 9502.5

C239 19409.4

C116 13364

C096 22628.8

C185 9912

C252 9696.1

C017 18159.8

C225 2785.1

**-- Find customers with more than 5 orders and total sales over ₹50,000.**

SELECT

Customer\_ID,

COUNT(Order\_ID) AS Total\_Order,

ROUND(SUM(Sales)) AS Total\_sales

FROM

smartkart\_full\_sales\_data

GROUP BY Customer\_ID

HAVING Total\_Order > 5 AND Total\_sales > 50000;

**Output:**

# Customer\_ID Total\_Order Total\_sales

C151 7 701958

C016 7 333711

C239 7 548113

C206 7 443125

C096 9 690634

C106 6 509181

C187 6 435333

C066 6 410752

C174 6 617739

C298 6 376279

C100 6 491239

C153 6 635640

C271 6 518443

C204 6 370779

C115 6 527069

C251 6 433592

C179 8 646514

C131 7 588907

C042 12 452124

C083 7 554984

C045 8 656670

C057 6 460901

C294 7 484199

C260 6 531542

C046 6 497022

C052 7 565101

C041 6 382120

C170 7 400468

C276 6 346940

C296 6 359388

C213 6 398042

C289 6 329612

C109 6 393220

C133 8 698995

C176 6 313107

C108 7 722711

C184 7 454824

C024 6 476364

C162 8 581541

**-- Get the region with the highest average profit per order.**

SELECT

Region, ROUND(AVG(Profit), 2) AS avg\_profit

FROM

smartkart\_full\_sales\_data

WHERE

Profit > 0

GROUP BY Region

ORDER BY avg\_profit DESC;

**Output:**

# Region avg\_profit

South 5202.16

North 4959.73

West 4873.75

East 4569.91

**-- Create a column that separates Profit and Loss.**

SELECT

\*,

CASE

WHEN Profit > 0 THEN Profit

ELSE 0

END AS Clean\_Profit,

CASE

WHEN Profit < 0 THEN ABS(Profit)

ELSE 0

END AS Clean\_Loss

FROM

smartkart\_full\_sales\_data;

**Output:**

# Order\_ID Customer\_ID Order\_Date Ship\_Date Product\_ID Category Sub\_Category Product\_Name Sales Quantity Discount Profit Region Clean\_Profit Clean\_Loss

2001 C205 2025-01-17 00:00:00 2025-01-22 00:00:00 P1149 Office Supplies Pens Pilot Pen 137337.72 5 0.1 2746.75 North 2746.75 0

2002 C147 2024-10-04 00:00:00 2024-10-11 00:00:00 P1111 Office Supplies Binders Staples Binder 60488.39 10 0.15 -1814.65 South 0 1814.65

2003 C151 2024-11-01 00:00:00 2024-11-04 00:00:00 P1120 Office Supplies Binders Office Depot Binder 29567.83 9 0.05 2069.75 South 2069.75 0

2004 C203 2024-08-06 00:00:00 2024-08-07 00:00:00 P1133 Furniture Tables Conference Table 126757.66 8 0.05 8873.04 North 8873.04 0

2005 C016 2024-06-18 00:00:00 2024-06-25 00:00:00 P1019 Office Supplies Binders Staples Binder 71284.84 9 0.15 -2138.55 East 0 2138.55

2006 C239 2025-01-12 00:00:00 2025-01-14 00:00:00 P1133 Technology Mobiles OnePlus 10 41898.09 5 0.05 2932.87 West 2932.87 0

2007 C116 2025-01-21 00:00:00 2025-01-24 00:00:00 P1083 Furniture Tables Conference Table 111366.37 6 0 13363.96 East 13363.96 0

2008 C206 2024-11-16 00:00:00 2024-11-21 00:00:00 P1118 Technology Mobiles Samsung Galaxy S22 128014.7 3 0.15 -3840.44 North 0 3840.44

2009 C096 2025-03-06 00:00:00 2025-03-12 00:00:00 P1055 Office Supplies Pens Pilot Pen 77107.19 5 0.1 1542.14 South 1542.14 0

2010 C185 2025-02-12 00:00:00 2025-02-14 00:00:00 P1078 Furniture Tables Conference Table 56302.53 9 0.05 3941.18 West 3941.18 0

2011 C252 2025-01-07 00:00:00 2025-01-08 00:00:00 P1114 Office Supplies Paper A4 Paper Pack 83515.49 1 0.1 1670.31 North 1670.31 0

2012 C017 2024-07-05 00:00:00 2024-07-09 00:00:00 P1008 Office Supplies Paper Printer Paper 133911.2 7 0.05 9373.78 North 9373.78 0

2013 C106 2024-08-28 00:00:00 2024-09-02 00:00:00 P1087 Furniture Storage Shelf Unit 27720.11 1 0.2 -2217.61 East 0 2217.61

2014 C055 2024-06-20 00:00:00 2024-06-25 00:00:00 P1177 Technology Tablets Samsung Tab S7 139090.26 6 0.2 -11127.22 South 0 11127.22

2015 C225 2025-04-17 00:00:00 2025-04-23 00:00:00 P1053 Technology Mobiles Samsung Galaxy S22 23209.23 4 0 2785.11 East 2785.11 0