```
-- @ Task 1: Group Sales Data by Product Category
  5
          -- Objective: Group the sales data by product category to analyze performance.
          select 'Product Category', count('Product Category') as category_count
  7 .
          from sales data
  8
          group by 'Product Category'
  9
          order by Category count;
 10
Result Grid
                                                  Export: Wrap Cell Content: IA
                 Filter Rows:
                                                                                                   Total
                                Product
                                                                             Units
                                                                                        Unit
                                                                                                                                  Payment
   Transaction ID
                                                  Product Name
                                                                                                                   Region
                                                                             Sold
                                                                                                                                  Method
                                Category
                                                                                        Price
                                                                                                   Revenue
   10001
                   2024-01-01
                               Electronics
                                                  iPhone 14 Pro
                                                                            2
                                                                                        999,99
                                                                                                   1999.98
                                                                                                                  North America
                                                                                                                                  Credit Card
   10002
                  2024-01-02
                               Home Appliances
                                                  Dyson V11 Vacuum
                                                                            1
                                                                                        499.99
                                                                                                   499.99
                                                                                                                  Europe
                                                                                                                                  PayPal
   10003
                  2024-01-03
                               Clothing
                                                  Levi's 501 Jeans
                                                                            3
                                                                                        69.99
                                                                                                   209.97
                                                                                                                  Asia
                                                                                                                                  Debit Card
   10004
                                                                                                                                 Credit Card
                  2024-01-04
                               Books
                                                 The Da Vinci Code
                                                                            4
                                                                                        15.99
                                                                                                   63.96
                                                                                                                  North America
                               Beauty Products
   10005
                   2024-01-05
                                                  Neutrogena Skincare Set
                                                                                       89.99
                                                                                                   89.99
                                                                                                                  Europe
                                                                                                                                  PavPal
   10006
                  2024-01-06
                               Sports
                                                 Wilson Evolution Basketball
                                                                            5
                                                                                       29.99
                                                                                                   149.95
                                                                                                                  Asia
                                                                                                                                  Credit Card
   10007
                                                  MacBook Pro 16-inch
                                                                                                                                  Credit Card
                  2024-01-07
                               Electronics
                                                                            1
                                                                                        2499.99
                                                                                                   2499.99
                                                                                                                  North America
                                                 Blueair Classic 480i
                                                                            2
                                                                                                                                  PayPal
   10008
                  2024-01-08
                               Home Appliances
                                                                                       599.99
                                                                                                   1199.98
                                                                                                                  Europe
                                                 Nike Air Force 1
   10009
                                                                                                                                  Debit Card
                  2024-01-09
                               Clothing
                                                                            6
                                                                                       89.99
                                                                                                   539,94
                                                                                                                  Asia
   10010
                  2024-01-10
                               Books
                                                 Dune by Frank Herbert
                                                                            2
                                                                                        25.99
                                                                                                   51.98
                                                                                                                  North America
                                                                                                                                 Credit Card
   10011
                  2024-01-11
                               Beauty Products
                                                  Chanel No. 5 Perfume
                                                                                        129.99
                                                                                                   129.99
                                                                                                                  Europe
                                                                                                                                  PayPal
                                                                            1
                                                 Babolat Pure Drive Tennis ... 3
   10012
                  2024-01-12
                               Sports
                                                                                        199.99
                                                                                                   599.97
                                                                                                                  Asia
                                                                                                                                  Credit Card
   10013
                  2024-01-13
                               Electronics
                                                  Samsung Galaxy Tab S8
                                                                                        749.99
                                                                                                   1499.98
                                                                                                                  North America
                                                                                                                                  Credit Card
```

189.99

189.99

PavPal

Europe

Keurig K-Elite Coffee Maker

use prectise;

10014

select * from sales data;

2024-01-14 Home Appliances

```
11
         -- @ Task 2: Calculate Total Revenue per Product
 12
         -- Objective: Calculate the total revenue generated by each product.
 13
         select 'product name', sum('total revenue') as total revenue
 14
         from sales data
 15
         group by 'product name';
 16
 17
                                              Export: Wrap Cell Content: IA
Result Grid
               Filter Rows:
   product name
                           total_revenue
  iPhone 14 Pro
                           1999.98
  Dyson V11 Vacuum
                           499.99
  Levi's 501 Jeans
                           209.97
  The Da Vinci Code
                           63.96
  Neutrogena Skincare Set
                           89.99
  Wilson Evolution Basketball
                           149.95
  MacBook Pro 16-inch
                           2499.99
  Blueair Classic 480i
                           1199.98
  Nike Air Force 1
                           539.94
  Dune by Frank Herbert
                           71.96
```

Chanel No. 5 Perfume

Samsung Galaxy Tab S8

North Face Down Jacket

Keurig K-Elite Coffee Maker

Salt, Fat, Acid, Heat by S...

Babolat Pure Drive Tennis ... 599.97

129.99

1499.98

529.97

499.98

107.97

```
-- @ Task 3: Count the Number of Orders per Product Category
 18
         -- Objective: Determine the number of orders placed for each product category.
 19
         select `product category`, count(`Transaction ID`) as no_of_order
 20 0
         from sales data
 21
         group by 'product category';
 22
                                          Export: Wrap Cell Content: IA
Result Grid
              Filter Rows:
   product
                  no_of_order
   category
  Electronics
  Home Appliances
                  40
```

Clothing

Beauty Products

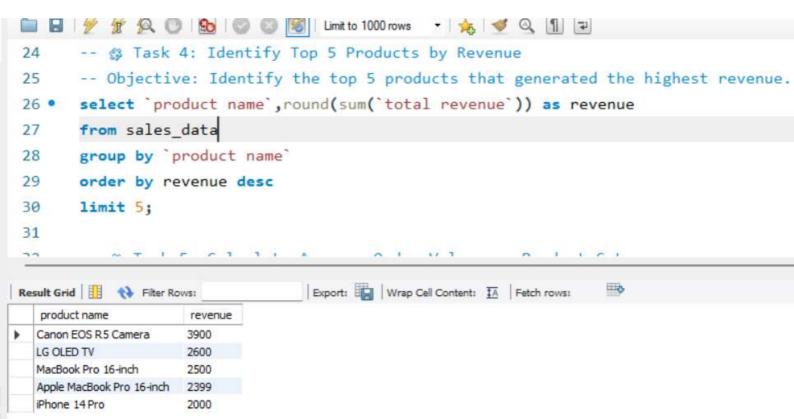
Books

Sports

40

40

40



K	esult Grid 🏭 🔌	Filter Rows:
	product category	avg_order_value
•	Electronics	874.56
	Home Appliances	466.15
	Sports	358.16
	Clothing	203.22
	Beauty Products	65.55
	Books	46.55

```
-- S Task 6: Count Distinct Customers per Product Category
40
       -- Objective: Determine the number of unique customers who purchased each product category.
41
       select `product category`, count(distinct `transaction id`) as unique_customer
42 .
       from sales_data
43
       group by `product category`;
44
45
46
                                 Export: Wrap Cell Content: 1A
product
              unique_customer
  category
  Beauty Products
              40
              40
  Books
  Clothing
              40
  Electronics
              40
```

Home Appliances

```
-- So Task 7: Calculate Total Revenue for Each Month
-- Objective: Calculate the total revenue generated in each month.

51 • select extract(month from date) as Month, round(sum(`total revenue`)) as total_revenue

52  from sales_data
53  group by Month;

Result Grid 
Filter Rows: Export: Wrap Cell Content: 
Wrap Cell Content: 
Wrap Cell Content: 

Wrap Cell Content: 

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```

Kesuit Grid		H.B THEF RO
	Month	total_revenue
	1	14548
	2	10803
	3	12849
	4	12452
	5	8455
	6	7385
	7	6797
	8	7278

```
55
      -- 🐉 Task 8: Count the Number of Orders per Month
      -- Objective: Determine the number of orders placed in each month.
56
57
      select extract(month from date) as Month,
58 •
      count(`Transaction ID`) as No_of_orders
59
      from sales_data
60
      group by Month;
61
62
         M Task 9. Calculate Total Revenue for Each Region
63
                                Export: Wrap Cell Content: IA
                 lows:
```

R	esult Grid	Filte
	Month	No_of_orders
١	1	31
	2	29
	3	31
	4	30
	5	31
	6	30
	7	31
	8	27

```
-- Stack 9: Calculate Total Revenue for Each Region
-- Objective: Calculate the total revenue generated in each region.
65
66 • select region, round(sum(`total revenue`)) as total_revenue
67  from sales_data

Result Grid  Filter Rovs: | Export: | Wrap Cell Content: | IA
```

total_revenue

36844

21268

22455

region North America

Europe

Asia

```
-- 🕸 Task 10: Identify the Product with the Highest Revenue
70
      -- Objective: Identify the product that generated the highest revenue.
71
      select `Product Name`, round(sum(`total revenue`))
72 .
      as Highest revenue
73
      from sales data
74
      group by `Product Name`
75
      order by Highest revenue desc
76
      limit 1;
77
                             Export: Wrap Cell Content: A Fetch rows:
Product Name
               Highest_revenue
```

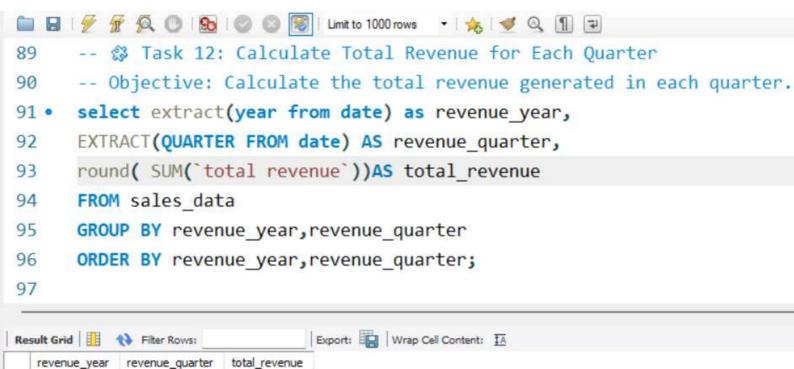
Canon EOS R5 Camera

```
-- 🕸 Task 11: Calculate the Number of Orders per Payment Method
79
      -- Objective: Determine the number of orders placed using each payment method.
80
      select `payment method`,count(`transaction id`)
81 •
      as No of Payment Method
82
      from sales_data
83
      group by `payment method`
84
      order by No_of_Payment_Method desc;
85
86
                             Export: Wrap Cell Content: IA
payment
            No_of_Payment_Method
  method
  Credit Card
            120
```

PayPal

Debit Card

80



```
98
99
       -- $ Task 13: Monthly Revenue and Order Volume
       -- Objective: Calculate the total revenue and the number of unique orders for each month.
100
       select extract(year from `date`) as year,
101 •
       extract(month from `Date`) as month,
102
       round(sum('total revenue'),2) as total revenue,
103
       count(distinct `transaction id`) as unique_orders
104
       from sales data
105
       group by year, month
106
       order by year, month;
107
Export: Wrap Cell Content: IA
       month total_revenue unique_orders
   year
  2024
            14548.32
                    31
```

2024 2

2024 4

2024 5

2024 6

2024 7

2024 8

2024

10803.37

12849.24

12451.69

8455.49

7384.55

6797.08

7278.11

29

31

30

31

30

31