```
302
        SELECT
303
            Customers.CustomerID,
304
            Customers.FirstName,
305
            Customers.LastName,
            COUNT(DISTINCT OrderDetails.ProductID) AS ProductCount
306
307
        FROM
            Orders
308
309
        JOIN
            OrderDetails ON Orders_OrderID = OrderDetails_OrderID
310
311
        JOIN
            Customers ON Orders.CustomerID = Customers.CustomerID
312
313
        GROUP BY
314
            Customers.CustomerID,
            Customers.FirstName,
315
            Customers.LastName
316
317
        HAVING
            COUNT(DISTINCT OrderDetails.ProductID) > 3;
318
319
Result Grid
                                          Export: Wrap Cell Content: TA
            Filter Rows:
   CustomerID FirstName
                                ProductCount
                       LastName
```

```
287
        SELECT
288
            Products.ProductID,
            Products.ProductName,
289
            SUM(OrderDetails.Quantity * OrderDetails.Price) AS TotalSalesAmount
290
291
        FROM
            OrderDetails
292
293
        JOIN
            Products ON OrderDetails.ProductID = Products.ProductID
294
295
        GROUP BY
            Products.ProductID,
296
297
            Products.ProductName
298
        ORDER BY
            TotalSalesAmount DESC
299
300
        LIMIT 3;
301
                                                                                     Export: Wrap Cell Content: A Fetch rows:
Result Grid
              Filter Rows:
   ProductID
                        TotalSalesAmount
            ProductName
            Laptop
                        3100
```

Smartphone

Tablet

1000

400

```
276
       SELECT
            Customers.CustomerID,
277
            Customers.FirstName,
278
279
            Customers.LastName
280
        FROM
281
            Customers
282
        LEFT JOIN
            Orders ON Customers.CustomerID = Orders.CustomerID
283
284
        WHERE
            Orders.CustomerID IS NULL;
285
286
Result Grid
                                          Export: Wrap Cell Content: IA
             Filter Rows:
   CustomerID
             FirstName
                       LastName
```

```
268 • SELECT
269 Category,
270 AVG(Price) AS AveragePrice
271 FROM
272 Products
273 GROUP BY
274 Category;
275
```

Export: Wrap Cell Content: TA

Result Grid | Filter Rows:

AveragePrice

430.0000

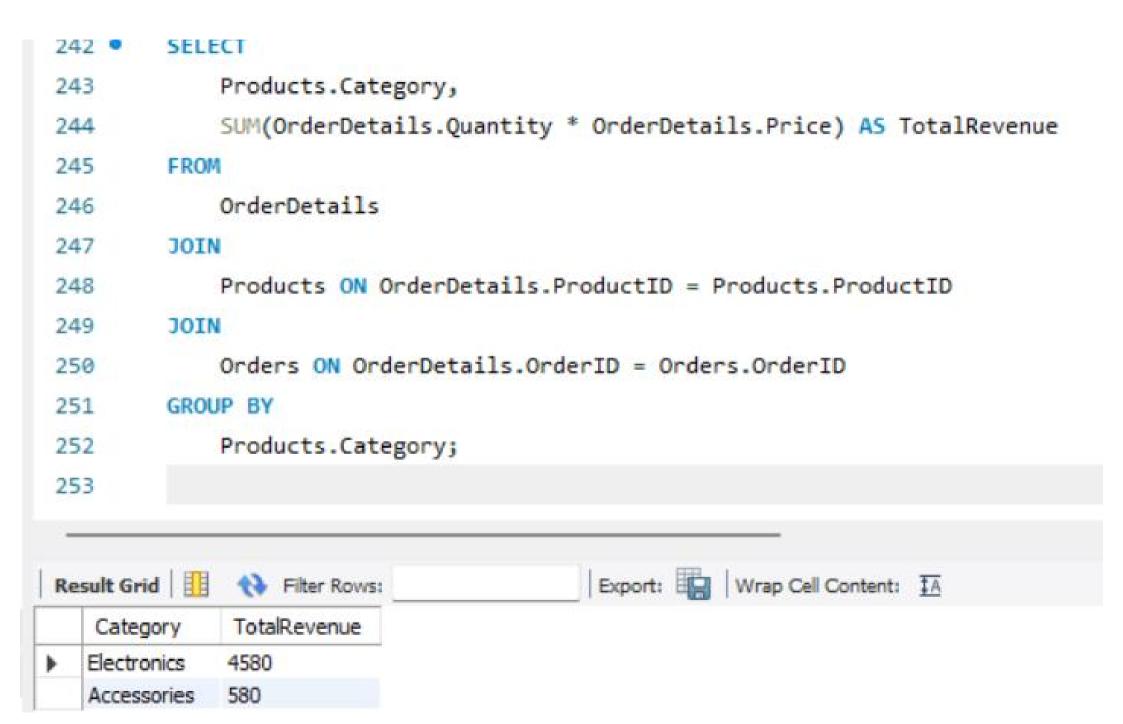
26.0000

Category

Electronics

Accessories

```
254 •
         SELECT
255
             Customers.CustomerID,
256
             Customers.FirstName,
257
             Customers.LastName,
             SUM(Orders.TotalAmount) AS TotalSpent
258
259
         FROM
             Orders
260
261
         JOIN
             Customers ON Orders.CustomerID = Customers.CustomerID
262
263
         GROUP BY
264
             Customers.CustomerID,
265
             Customers.FirstName,
             Customers.LastName;
266
267
                                             Export: Wrap Cell Content: TA
Result Grid
               Filter Rows:
   CustomerID
              FirstName
                         LastName
                                   TotalSpent
              John
                                   1050
                        Doe
  1
  2
                        Smith
                                   550
              Jane
                        Johnson
              Alice
                                   1000
  4
              Bob
                        Brown
                                   70
  5
              Charlie
                                   520
                        Davis
  6
              David
                        Wilson
                                   230
  7
              Emma
                        Thomas
                                   1200
                                   50
  8
              Fiona
                        Garcia
  9
                                   350
              George
                        Martinez
  10
              Hannah
                        Rodriguez
                                   40
```



```
224 • SELECT
 225
             Customers.CustomerID,
             Customers.FirstName,
 226
             Customers.LastName
 227
 228
         FROM
 229
             Orders
         JOIN
 230
 231
             OrderDetails ON Orders.OrderID = OrderDetails.OrderID
 232
         JOIN
             Customers ON Orders.CustomerID = Customers.CustomerID
 233
         GROUP BY
 234
 235
             Customers.CustomerID,
 236
             Customers.FirstName,
 237
             Customers.LastName,
 238
             Orders.OrderID
 239
         HAVING
             COUNT(OrderDetails.ProductID) > 1;
 240
 241
                                         Export: Wrap Cell Content: IA
Result Grid A Filter Rows:
```

	CustomerID	FirstName	LastName	
•	1	John	Doe	
	2	Jane	Smith	
	4	Bob	Brown	
	5	Charlie	Davis	
	6	David	Wilson	
	7	Emma	Thomas	
	8	Fiona	Garcia	
	9	George	Martinez	

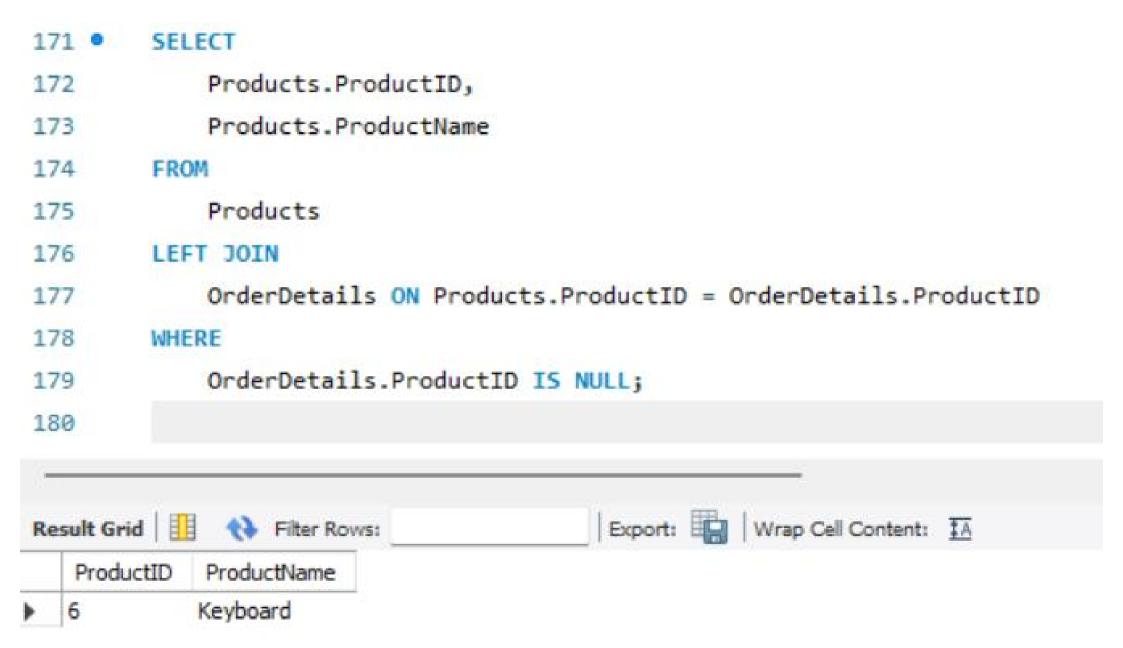
```
209 •
        SELECT
210
            Products.Category,
211
            COUNT(DISTINCT Orders.OrderID) AS NumberOfOrders
212
        FROM
213
            OrderDetails
214
        JOIN
215
            Orders ON OrderDetails.OrderID = Orders.OrderID
216
        JOIN
            Products ON OrderDetails.ProductID = Products.ProductID
217
218
        GROUP BY
219
            Products.Category
220
        ORDER BY
            NumberOfOrders DESC
221
222
        LIMIT 1;
223
224
Result Grid Filter Rows:
                                          Export: Wrap Cell Content: A Fetch rows:
            NumberOfOrders
   Category
  Electronics
```

```
195 •
        SELECT
            Customers.CustomerID,
196
            Customers.FirstName,
197
            Customers.LastName,
198
            AVG(Orders.TotalAmount) AS AverageOrderValue
199
200
        FROM
            Orders
201
202
        JOIN
            Customers ON Orders.CustomerID = Customers.CustomerID
203
        GROUP BY
204
            Customers.CustomerID,
205
206
            Customers.FirstName,
            Customers.LastName;
207
208
```

	CustomerID	FirstName	LastName	AverageOrderValue		
١	1	John	Doe	1050.0000	_	
	2	Jane	Smith	550.0000		
	3	Alice	Johnson	1000.0000		
	4	Bob	Brown	70.0000		
	5	Charlie	Davis	520.0000		
	6	David	Wilson	230.0000		
	7	Emma	Thomas	1200.0000		
	8	Fiona	Garcia	50.0000		
	9	George	Martinez	350.0000		
	10	Hannah	Rodriguez	40.0000		

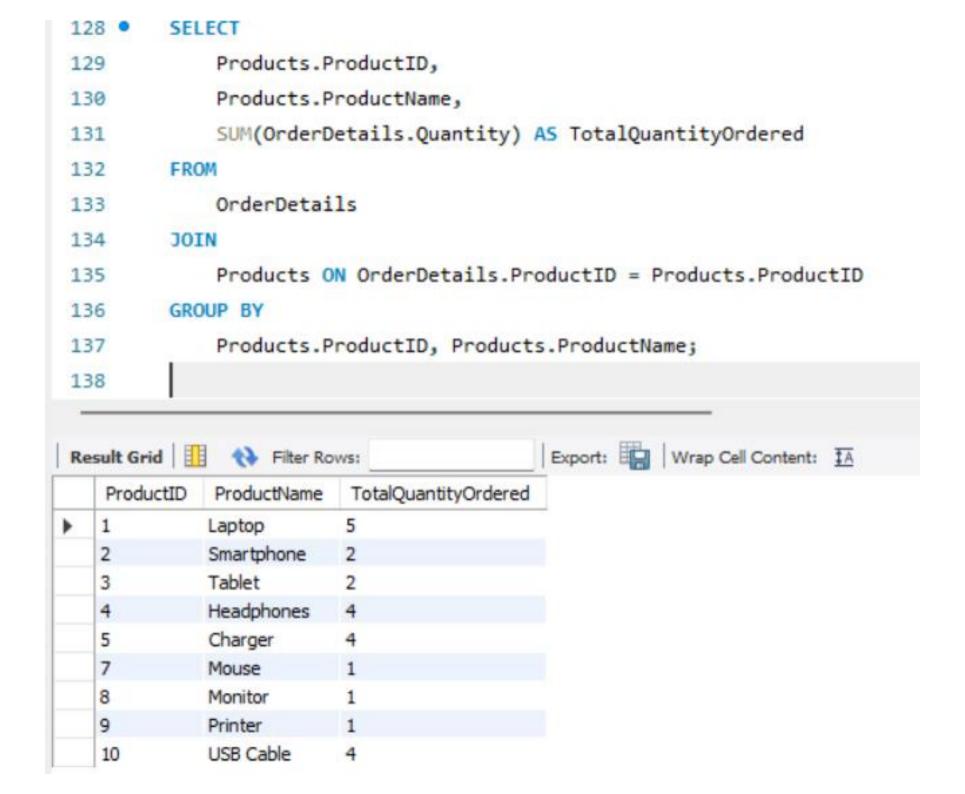
```
181 • SELECT
           Orders.OrderID,
182
           Orders.OrderDate,
183
184
           Products.ProductName,
185
           OrderDetails.Quantity
186
        FROM
187
           Orders
188
        JOIN
           OrderDetails ON Orders.OrderID = OrderDetails.OrderID
189
190
        JOIN
            Products ON OrderDetails, ProductID = Products, ProductID
191
192
       WHERE
           Orders.CustomerID = 2;
193
194
Export: Wrap Cell Content: TA
```





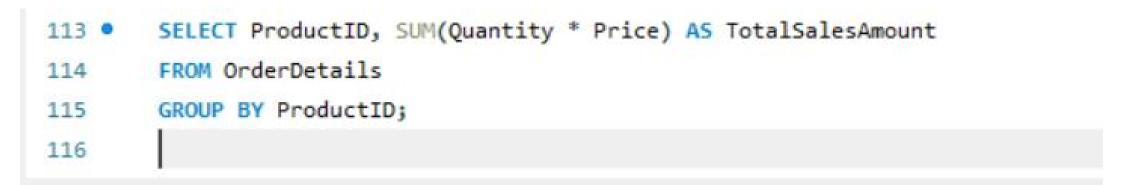
```
156 •
        SELECT
157
             Customers.CustomerID,
158
            Customers.FirstName,
159
            Customers.LastName
160
        FROM
161
             Orders
162
         JOIN
             Customers ON Orders.CustomerID = Customers.CustomerID
163
164
        GROUP BY
165
             Customers.CustomerID,
            Customers.FirstName,
166
167
            Customers.LastName
168
        HAVING
             SUM(Orders.TotalAmount) > 500;
169
170
                                          Export: Wrap Cell Content: TA
Result Grid
             Filter Rows:
   CustomerID
              FirstName
                        LastName
             John
                       Doe
                       Smith
             Jane
  3
             Alice
                       Johnson
  5
             Charlie
                       Davis
                       Thomas
             Emma
```

```
139 •
         SELECT
             Orders.OrderID,
140
             Orders.OrderDate,
141
142
             OrderDetails.OrderDetailID,
             OrderDetails.ProductID,
143
             OrderDetails.Quantity,
144
             OrderDetails.Price
145
146
         FROM
             Orders
147
         JOIN
148
             Customers ON Orders.CustomerID = Customers.CustomerID
149
150
         JOIN
             OrderDetails ON Orders.OrderID = OrderDetails.OrderID
151
152
         WHERE
             Customers FirstName = 'John'
153
             AND Customers.LastName = 'Doe';
154
155
Result Grid
                                            Export:
               Filter Rows:
                                                       Wrap Cell Content: ‡A
                       OrderDetailID
   OrderID
            OrderDate:
                                    ProductID
                                              Quantity
                                                       Price
           2023-06-01
                                                       1000
                                                       50
           2023-06-01
                      2
```



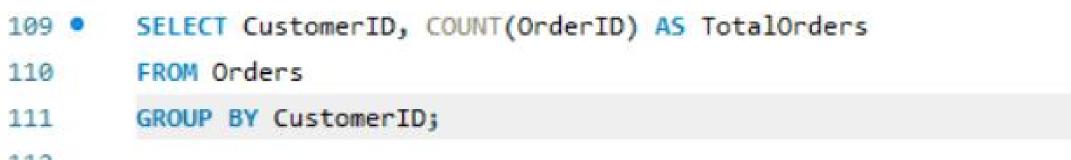
```
117 •
        SELECT
118
            Orders.OrderID,
119
            Orders.OrderDate,
            Customers.FirstName,
120
121
            Customers.LastName,
122
            Orders.TotalAmount
123
        FROM
            Orders
124
        JOIN
125
            Customers ON Orders.CustomerID = Customers.CustomerID;
126
127
```

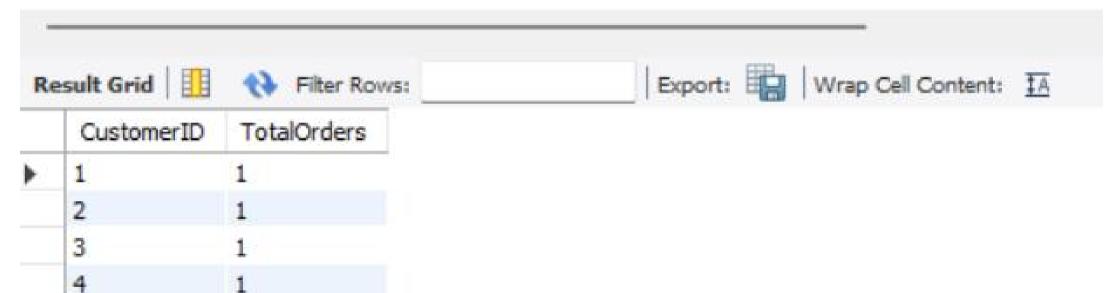
	OrderID	OnderDate	FiretName	1 aathlama	TatalAmaumt	
	OrderID	OrderDate	FirstName	LastName	TotalAmount	
•	1	2023-06-01	John	Doe	1050	
	2	2023-06-05	Jane	Smith	550	
	3	2023-06-10	Alice	Johnson	1000	
	4	2023-06-15	Bob	Brown	70	
	5	2023-06-20	Charlie	Davis	520	
	6	2023-06-25	David	Wilson	230	
	7	2023-07-02	Emma	Thomas	1200	
	8	2023-07-12	Fiona	Garcia	50	
	9	2023-07-18	George	Martinez	350	
	10	2023-07-22	Hannah	Rodriguez	40	



Export: Wrap Cell Content: TA

			_
	ProductID	TotalSalesAmount	Ì
>	1	3100	
	2	1000	
	3	400	
	4	400	
	5	120	
	7	20	
	8	30	
	9	50	
	10	40	





105 • SELECT *

FROM Products 106

107 WHERE Category = 'Electronics';







Edit:





	ProductID	ProductName	Category	Price	StockQuantity
Þ	1	Laptop	Electronics	1000	50
	2	Smartphone	Electronics	500	100
	3	Tablet	Electronics	300	75
	8	Monitor	Electronics	200	30
	9	Printer	Electronics	150	20
	NULL	NULL	NULL	NULL	NULL

101 • SELECT *

102 FROM Customers

103 WHERE YEAR(RegistrationDate) = 2023;

	CustomerID	FirstName	LastName	Email	Phone	RegistrationDate
•	1	John	Doe	john.doe@example.com	123-456-7890	2023-01-15
	2	Jane	Smith	jane.smith@example.com	234-567-8901	2023-02-20
	3	Alice	Johnson	alice.johnson@example.com	345-678-9012	2023-03-10
	4	Bob	Brown	bob.brown@example.com	456-789-0123	2023-04-05
	5	Charlie	Davis	charlie.davis@example.com	567-890-1234	2023-05-12
	6	David	Wilson	david.wilson@example.com	678-901-2345	2023-06-15
	7	Emma	Thomas	emma.thomas@example.com	789-012-3456	2023-07-01
	8	Fiona	Garcia	fiona.garcia@example.com	890-123-4567	2023-07-10
	9	George	Martinez	george.martinez@example.com	901-234-5678	2023-07-20
	10 NUUU	Hannah	Rodriguez	hannah.rodriguez@example.com	012-345-6789	2023-07-25

OrderDetailID	OrderID	ProductID	Quantity	Price
1	1	1	1	1000
2	1	4	1	50
3	2	2	1	500
4	2	5	1	50
5	3	1	1	1000
6	4	4	1	50
7	4	5	1	20
8	5	2	1	500
9	5	5	1	20
10	6	3	1	200
11	6	5	1	30
12	7	1	1	1000
13	7	3	1	200
14	4	1	2	50
15	8	7	1	20
16	8	8	1	30
17	9	4	2	150
18	9	9	1	50
19	10	10	4	10
HULL	NULL	NULL	NULL	NULL

OrderID	OrderDate	CustomerID	TotalAmount
1	2023-06-01	1	1050
2	2023-06-05	2	550
3	2023-06-10	3	1000
4	2023-06-15	4	70
5	2023-06-20	5	520
6	2023-06-25	6	230
7	2023-07-02	7	1200
8	2023-07-12	8	50
9	2023-07-18	9	350
10	2023-07-22	10	40
NULL	NULL	NULL	NULL

ProductID	ProductName	Category	Price	StockQuantity
1	Laptop	Electronics	1000	50
2	Smartphone	Electronics	500	100
3	Tablet	Electronics	300	75
4	Headphones	Accessories	50	200
5	Charger	Accessories	20	300
6	Keyboard	Accessories	30	150
7	Mouse	Accessories	20	250
8	Monitor	Electronics	200	30
9	Printer	Electronics	150	20
10	USB Cable	Accessories	10	400
HULL	HULL	NULL	NULL	HULL.

CustomerID	FirstName	LastName	Email	Phone	RegistrationDate
1	John	Doe	john.doe@example.com	123-456-7890	2023-01-15
2	Jane	Smith	jane.smith@example.com	234-567-8901	2023-02-20
3	Alice	Johnson	alice.johnson@example.com	345-678-9012	2023-03-10
4	Bob	Brown	bob.brown@example.com	456-789-0123	2023-04-05
5.	Charlie	Davis	charlie.davis@example.com	567-890-1234	2023-05-12
6	David	Wilson	david.wilson@example.com	678-901-2345	2023-06-15
7	Emma	Thomas	emma.thomas@example.com	789-012-3456	2023-07-01
8	Fiona	Garcia	fiona.garcia@example.com	890-123-4567	2023-07-10
9	George	Martinez	george.martinez@example.com	901-234-5678	2023-07-20
10	Hannah	Rodriguez	hannah.rodriguez@example.com	012-345-6789	2023-07-25
HULL	NULL	NULL	NULL	NULL	HULL