

Output : Ranking and window

The screenshot displays the MySQL Workbench interface. The central query window contains the following SQL code:

```
67 SELECT *
68 FROM (
69     SELECT
70         *,
71         DENSE_RANK() OVER (PARTITION BY Category ORDER BY Price DESC) AS DenseRankPos
72     FROM Products
73 ) AS Ranked
74 WHERE DenseRankPos <= 3;
75
```

The Result Grid below the query shows the output of the query. The columns are ProductID, ProductName, Category, Price, and DenseRankPos. The results are as follows:

ProductID	ProductName	Category	Price	DenseRankPos
1	Laptop A	Electronics	1200.00	1
2	Laptop B	Electronics	1200.00	1
3	Laptop C	Electronics	900.00	2
4	Laptop D	Electronics	800.00	3
5	Laptop E	Electronics	800.00	3
11	Desk A	Furniture	400.00	1
7	Table A	Furniture	300.00	2
8	Table B	Furniture	300.00	2
9	Chair A	Furniture	150.00	3

The bottom panel shows the Action Output, which includes the following messages:

- 8 21:51:02 INSERT INTO Products (ProductName, Category, Price) VALUES (Laptop A, 'Electronics', 1200.00), (Laptop ... 11 row(s) affected Records: 11 Duplicates: 0 Warnings: 0
- 9 21:51:02 SELECT * FROM Products LIMIT 0, 1000 11 row(s) returned
- 10 21:51:02 SELECT ProductID, ProductName, Category, Price, ROW_NUMBER() OVER (PARTITION BY C... 11 row(s) returned
- 11 21:51:02 SELECT * FROM (SELECT *, ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Pr... 6 row(s) returned
- 12 21:51:02 SELECT * FROM (SELECT *, RANK() OVER (PARTITION BY Category ORDER BY Price DESC... 6 row(s) returned
- 13 21:51:02 SELECT * FROM (SELECT *, DENSE_RANK() OVER (PARTITION BY Category ORDER BY Pr... 9 row(s) returned

Output : Ranking and window

The screenshot displays the MySQL Workbench interface with a query editor and its results. The query uses window functions to rank products by price within each category.

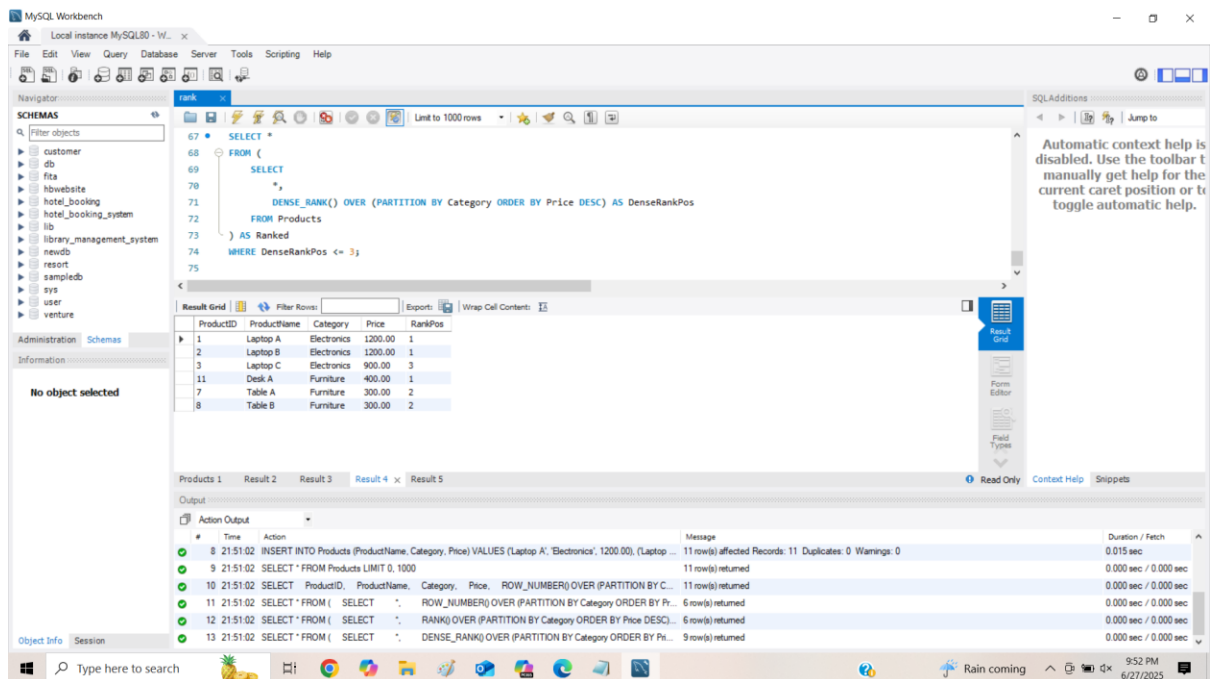
```
67 SELECT *
68 FROM (
69     SELECT
70         *,
71         DENSE_RANK() OVER (PARTITION BY Category ORDER BY Price DESC) AS DenseRankPos
72     FROM Products
73 ) AS Ranked
74 WHERE DenseRankPos <= 3;
```

The **Result Grid** shows the output of the query, displaying columns: ProductID, ProductName, Category, Price, RowNum, RankPos, and DenseRankPos. The results are filtered to show only the top 3 products by price in each category.

ProductID	ProductName	Category	Price	RowNum	RankPos	DenseRankPos
1	Laptop A	Electronics	1200.00	1	1	1
2	Laptop B	Electronics	1200.00	2	1	1
3	Laptop C	Electronics	900.00	3	3	2
4	Laptop D	Electronics	800.00	4	4	3
5	Laptop E	Electronics	800.00	5	4	3
6	Phone A	Electronics	700.00	6	6	4
11	Desk A	Furniture	400.00	1	1	1
7	Table A	Furniture	300.00	2	2	2
8	Table B	Furniture	300.00	3	2	2
9	Chair A	Furniture	150.00	4	4	3

The **Action Output** pane shows the execution of the query, including the message: "11 row(s) affected Records: 11 Duplicates: 0 Warnings: 0".

Output : Ranking and window



MySQL Workbench

Local instance MySQL80 - W...

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Navigator

SCHEMAS

Filter objects

- customer
- db
- fit
- hbwebsite
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- lib
- library_management_system
- newdb
- resort
- sampledb
- sys
- user
- venture

Administration Schemas

Information

No object selected

Rank

```
67 SELECT *
68 FROM (
69     SELECT
70         *,
71         DENSE_RANK() OVER (PARTITION BY Category ORDER BY Price DESC) AS DenseRankPos
72     FROM Products
73 ) AS Ranked
74 WHERE DenseRankPos <= 3;
75
```

Result Grid

ProductID	ProductName	Category	Price	RankPos
1	Laptop A	Electronics	1200.00	1
2	Laptop B	Electronics	1200.00	1
3	Laptop C	Electronics	900.00	3
11	Desk A	Furniture	400.00	1
7	Table A	Furniture	300.00	2
8	Table B	Furniture	300.00	2

Products 1 Result 2 Result 3 Result 4 x Result 5

Output

Action Output

Time	Action	Message	Duration / Fetch
8 21:51:02	INSERT INTO Products (ProductName, Category, Price) VALUES (Laptop A, 'Electronics', 1200.00), (Laptop B, 'Electronics', 1200.00), (Laptop C, 'Electronics', 900.00)	11 row(s) affected Records: 11 Duplicates: 0 Warnings: 0	0.015 sec
9 21:51:02	SELECT * FROM Products LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec
10 21:51:02	SELECT ProductID, ProductName, Category, Price, ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC)	11 row(s) returned	0.000 sec / 0.000 sec
11 21:51:02	SELECT * FROM (SELECT ProductID, ProductName, Category, Price, ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC)) AS Ranked	6 row(s) returned	0.000 sec / 0.000 sec
12 21:51:02	SELECT * FROM (SELECT ProductID, ProductName, Category, Price, RANK() OVER (PARTITION BY Category ORDER BY Price DESC)) AS Ranked	6 row(s) returned	0.000 sec / 0.000 sec
13 21:51:02	SELECT * FROM (SELECT ProductID, ProductName, Category, Price, DENSE_RANK() OVER (PARTITION BY Category ORDER BY Price DESC)) AS Ranked	9 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Type here to search

Rain coming 9:52 PM 6/27/2025