SQL*Plus: Release 11.2.0.2.0 Production on Sat Jun 28 12:51:09 2025

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SQL> connect arhan
Enter password:
ERROR:
ORA-28002: the password will expire within 7 days

Connected.
SQL> SELECT *
  2 FROM (
  3   SELECT
  4   ProductID,
  5   ProductName,
  6   Category,
  7   Price,
  8   ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS RowNum
  9   FROM Products
 10)
 11 WHERE RowNum <= 3;
       ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS RowNum
                                        *
ERROR at line 8:
ORA-00923: FROM keyword not found where expected

SQL> SELECT *
  2 FROM (
  3   SELECT
  4   ProductID,
  5   ProductName,
  6   Category,
  7   Price,
  8   ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS RowNum
  9   FROM Products
 10)
 11 WHERE RowNum <= 3;
       ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS RowNum
                                        *
ERROR at line 8:
ORA-00923: FROM keyword not found where expected

SQL>
SQL> SELECT *
  2 FROM (
  3   SELECT
  4   ProductID,
  5   ProductName,
  6   ROW_NUMBER() OVER (ORDER BY Price DESC) AS RowNum
  7   FROM Products
  8)
  9 WHERE RowNum <= 3;
       ROW_NUMBER() OVER (ORDER BY Price DESC) AS RowNum
                          *

```
ERROR at line 6:
ORA-00923: FROM keyword not found where expected


SQL> SELECT *
  2  FROM (
  3    SELECT
  4      ProductID,
  5      ProductName,
  6      Price,
  7      ROW_NUMBER() OVER (ORDER BY Price DESC) AS Row_Number
  8    FROM Products
  9  )
 10  WHERE Row_Number <= 3;

no rows selected

SQL> CREATE TABLE Products (
  2    ProductID NUMBER,
  3    ProductName VARCHAR2(100),
  4    Category VARCHAR2(50),
  5    Price NUMBER
  6  );
CREATE TABLE Products (
        *
ERROR at line 1:
ORA-00955: name is already used by an existing object


SQL>
SQL> INSERT INTO Products VALUES (1, 'Laptop', 'Electronics', 1000);

1 row created.

SQL> INSERT INTO Products VALUES (2, 'Phone', 'Electronics', 800);

1 row created.

SQL> INSERT INTO Products VALUES (3, 'TV', 'Electronics', 1200);

1 row created.

SQL> INSERT INTO Products VALUES (4, 'Blender', 'Home', 150);

1 row created.

SQL> INSERT INTO Products VALUES (5, 'Microwave', 'Home', 200);

1 row created.

SQL> INSERT INTO Products VALUES (6, 'Toaster', 'Home', 80);

1 row created.

SQL> INSERT INTO Products VALUES (7, 'Monitor', 'Electronics', 500);

1 row created.
```

```
SQL> INSERT INTO Products VALUES (8, 'Air Conditioner', 'Home', 1200);

1 row created.

SQL> COMMIT;

Commit complete.

SQL> SELECT *
  2  FROM (
  3     SELECT
  4        ProductID,
  5        ProductName,
  6        Price,
  7        ROW_NUMBER() OVER (ORDER BY Price DESC) AS Row_Number
  8     FROM Products
  9  )
 10  WHERE Row_Number <= 3;

 PRODUCTID
----------
PRODUCTNAME
--------------------------------------------------------------------------
     PRICE ROW_NUMBER
---------- ----------
         3
TV
      1200          1

         8
Air Conditioner
      1200          2

 PRODUCTID
----------
PRODUCTNAME
--------------------------------------------------------------------------
     PRICE ROW_NUMBER
---------- ----------

         1
Laptop
      1000          3


SQL> SELECT *
  2  FROM (
  3     SELECT
  4        ProductID,
  5        ProductName,
  6        Category,
  7        Price,
  8        ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS Row_Number
  9     FROM Products
 10  )
 11  WHERE Row_Number <= 3;
```

```
 PRODUCTID
----------
PRODUCTNAME
--------------------------------------------------------------------------
CATEGORY                          PRICE ROW_NUMBER
------------------------------------------------ ---------- ----------
        3
TV
Electronics                        1200        1

        1
Laptop
Electronics                        1000        2


 PRODUCTID
----------
PRODUCTNAME
--------------------------------------------------------------------------
CATEGORY                          PRICE ROW_NUMBER
------------------------------------------------ ---------- ----------

        2
Phone
Electronics                         800        3

        8
Air Conditioner

 PRODUCTID
----------
PRODUCTNAME
--------------------------------------------------------------------------
CATEGORY                          PRICE ROW_NUMBER
------------------------------------------------ ---------- ----------
Home                               1200        1

        5
Microwave
Home                                200        2

        4

 PRODUCTID
----------
PRODUCTNAME
--------------------------------------------------------------------------
CATEGORY                          PRICE ROW_NUMBER
------------------------------------------------ ---------- ----------
Blender
Home                                150        3


6 rows selected.
```