RANKING AND WINDOW FUNCTION

```
CREATE DATABASE PracticeDB;
USE PracticeDB;
CREATE TABLE Products (
  ProductID INT,
  ProductName VARCHAR(100),
  Category VARCHAR(50),
  Price DECIMAL(10,2)
);
INSERT INTO Products (ProductID, ProductName, Category, Price)
VALUES
(1, 'Laptop', 'Electronics', 80000),
(2, 'Mobile', 'Electronics', 50000),
(3, 'Camera', 'Electronics', 50000),
(4, 'Jeans', 'Clothing', 2000),
(5, 'T-Shirt', 'Clothing', 1000),
(6, 'Jacket', 'Clothing', 2000),
(7, 'Apple', 'Groceries', 100),
(8, 'Banana', 'Groceries', 40),
(9, 'Mango', 'Groceries', 100);
SELECT * FROM Products;
SELECT
  ProductID,
  ProductName,
  Category,
  Price,
  ROW_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS
RowNum,
  RANK()
             OVER (PARTITION BY Category ORDER BY Price DESC) AS RankNum,
  DENSE_RANK() OVER (PARTITION BY Category ORDER BY Price DESC) AS
DenseRankNum
FROM Products:
WITH RankedProducts AS (
  SELECT*,
      ROW NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS
RowNum
  FROM Products
)
SELECT *
FROM RankedProducts
WHERE RowNum <= 3;
```





