-- Create Products table

CREATE TABLE Products (

ProductID INTEGER PRIMARY KEY,

Name TEXT,

Category TEXT,

Price REAL

);

-- Insert sample data

INSERT INTO Products VALUES (1, 'Laptop', 'Electronics', 1200);

INSERT INTO Products VALUES (2, 'Smartphone', 'Electronics', 800);

INSERT INTO Products VALUES (3, 'Tablet', 'Electronics', 600);

INSERT INTO Products VALUES (4, 'Chair', 'Furniture', 150);

INSERT INTO Products VALUES (5, 'Sofa', 'Furniture', 700);

INSERT INTO Products VALUES (6, 'Table', 'Furniture', 300);

-- Use ROW\_NUMBER() to find top 2 products by category

SELECT \*

FROM (

SELECT \*,

ROW\_NUMBER() OVER (PARTITION BY Category ORDER BY Price DESC) AS rank

FROM Products

) AS ranked

WHERE rank <= 2;

