```
mysql> CREATE DATABASE SalesDB;
Query OK, 1 row affected (0.01 sec)

mysql> USE SalesDB;
Database changed
mysql> CREATE TABLE Sales (
    ->     SaleID INT PRIMARY KEY,
    ->     Product VARCHAR(50),
    ->     Category VARCHAR(30),
    ->     Quantity INT,
    ->     Price DECIMAL(10,2),
    ->     SaleDate DATE
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql> INSERT INTO Sales VALUES
    -> (1, 'Rice', 'Grocery', 10, 50.00, '2025-06-01'),
    -> (2, 'Milk', 'Dairy', 20, 25.00, '2025-06-02'),
    -> (3, 'Oil', 'Grocery', 5, 110.00, '2025-06-03'),
    -> (4, 'Bread', 'Bakery', 15, 30.00, '2025-06-03'),
    -> (5, 'Curd', 'Dairy', 10, 20.00, '2025-06-04'),
    -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the righ
t syntax to use near '' at line 6
mysql> INSERT INTO Sales VALUES
    -> (1, 'Rice', 'Grocery', 10, 50.00, '2025-06-01'),
    -> (2, 'Milk', 'Dairy', 20, 25.00, '2025-06-02'),
    -> (3, 'Oil', 'Grocery', 5, 110.00, '2025-06-03'),
    -> (4, 'Bread', 'Bakery', 15, 30.00, '2025-06-03'),
    -> (5, 'Curd', 'Dairy', 10, 20.00, '2025-06-04');
Query OK, 5 rows affected (0.01 sec)
```

```
mysql> SELECT SUM(Quantity) AS Total_Quantity FROM Sales;
+----------------+
| Total_Quantity |
+----------------+
|             60 |
+----------------+
1 row in set (0.01 sec)

mysql> SELECT AVG(Price) AS Average_Price FROM Sales;
+---------------+
| Average_Price |
+---------------+
|     47.000000 |
+---------------+
1 row in set (0.00 sec)

mysql> SELECT COUNT(*) AS Total_Records FROM Sales;
+---------------+
| Total_Records |
+---------------+
|             5 |
+---------------+
1 row in set (0.01 sec)

mysql> SELECT Category, SUM(Quantity) AS Total_Sold FROM Sales;
ERROR 1140 (42000): In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggregated column 'salesdb.Sales.C
ategory'; this is incompatible with sql_mode=only_full_group_by
mysql> SELECT Category, SUM(Quantity) AS Total_Sold
    -> FROM Sales
    -> GROUP BY Category;
+----------+------------+
| Category | Total_Sold |
```

```
+----------+------------+
| Category | Total_Sold |
+----------+------------+
| Grocery  |         15 |
| Dairy    |         30 |
| Bakery   |         15 |
+----------+------------+
3 rows in set (0.01 sec)

mysql> SELECT Category, AVG(Price) AS Avg_Price
    -> FROM Sales
    -> GROUP BY Category;
+----------+-----------+
| Category | Avg_Price |
+----------+-----------+
| Grocery  | 80.000000 |
| Dairy    | 22.500000 |
| Bakery   | 30.000000 |
+----------+-----------+
3 rows in set (0.01 sec)

mysql> SELECT Category, SUM(Quantity) AS Total_Sold
    -> FROM Sales
    -> GROUP BY Category
    -> HAVING SUM(Quantity) > 20;
+----------+------------+
| Category | Total_Sold |
+----------+------------+
| Dairy    |         30 |
+----------+------------+
1 row in set (0.00 sec)

mysql> SELECT Category, COUNT(Product) AS Product_Count
```

```
+----------+-------------+
| Category | Avg_Price   |
+----------+-------------+
| Grocery  | 80.000000   |
| Dairy    | 22.500000   |
| Bakery   | 30.000000   |
+----------+-------------+
3 rows in set (0.01 sec)

mysql> SELECT Category, SUM(Quantity) AS Total_Sold
    -> FROM Sales
    -> GROUP BY Category
    -> HAVING SUM(Quantity) > 20;
+----------+------------+
| Category | Total_Sold |
+----------+------------+
| Dairy    |         30 |
+----------+------------+
1 row in set (0.00 sec)

mysql> SELECT Category, COUNT(Product) AS Product_Count
    -> FROM Sales
    -> GROUP BY Category;
+----------+---------------+
| Category | Product_Count |
+----------+---------------+
| Grocery  |             2 |
| Dairy    |             2 |
| Bakery   |             1 |
+----------+---------------+
3 rows in set (0.00 sec)

mysql>
```