1)-1

QUERRY:

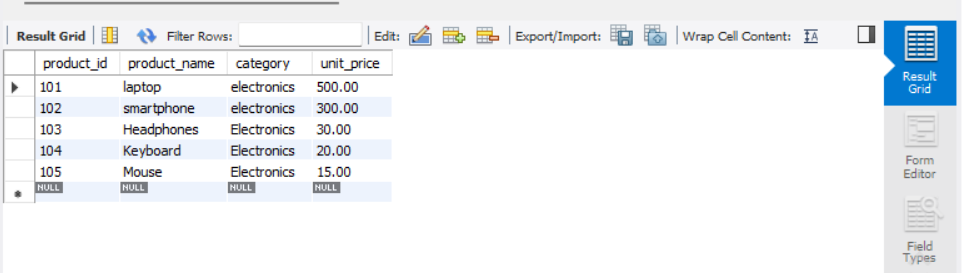
use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT \* FROM Products;

OUTPUT:



2.

QUERRY:

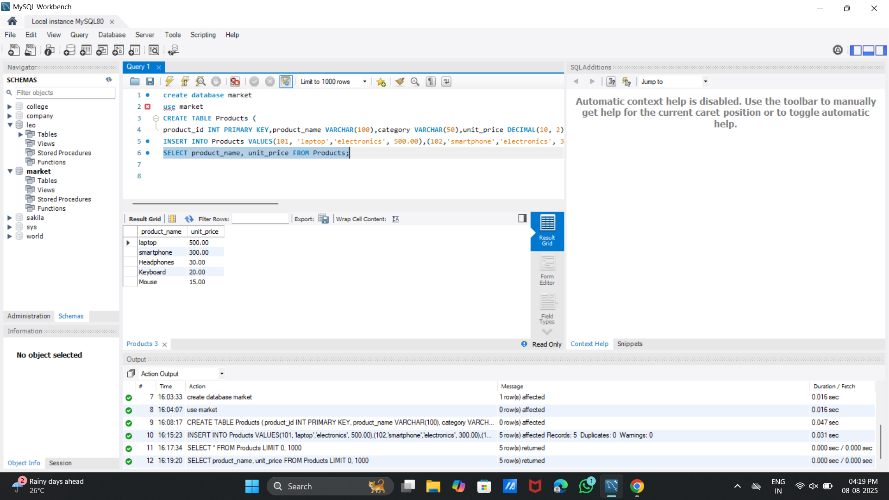
use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT product\_name, unit\_price FROM Products;

OUTPUT;



3.

QUERRY:

use market

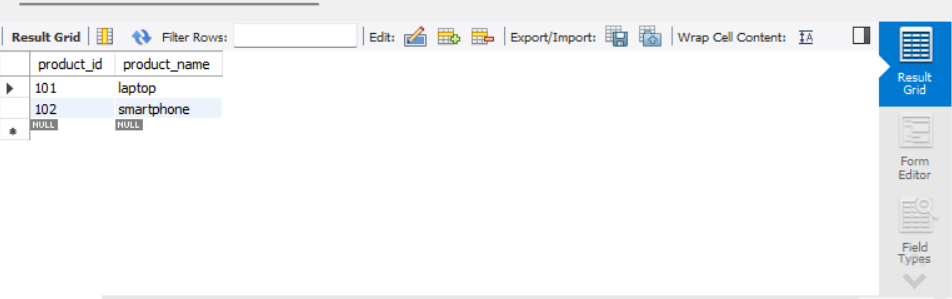
CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT \* FROM Products

WHERE category = 'Electronics';

OUTPUT:



4

QUERRY:

use market

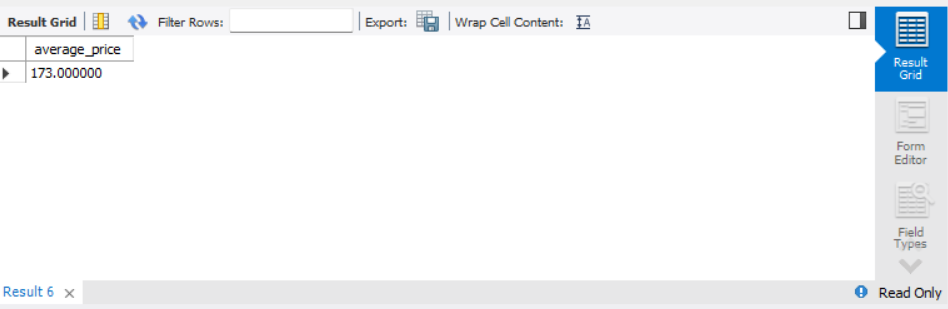
CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT product\_id, product\_name FROM Products

WHERE unit\_price > 100;

OUTPUT:



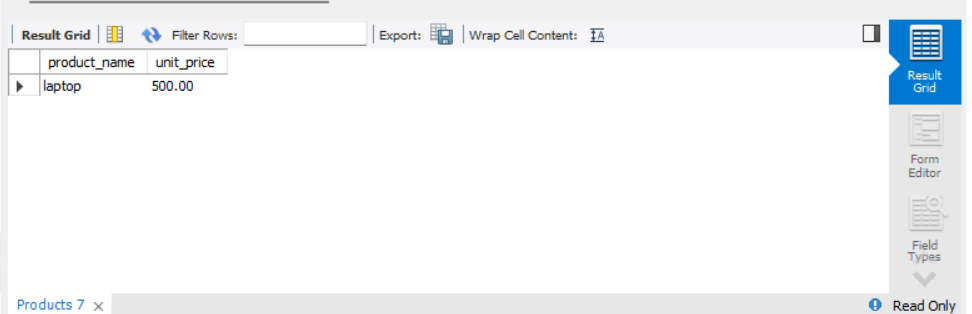
5-QUERRY:

use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT AVG(unit\_price) AS average\_unit\_price FROM Products;



6QUERRY:

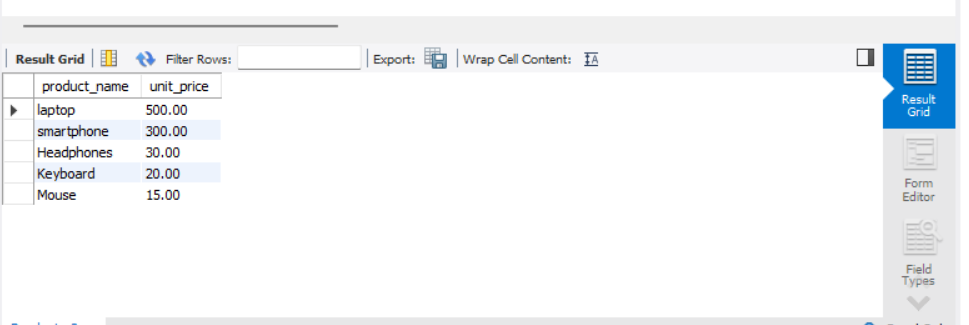
use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT product\_name, unit\_price FROM Products

WHERE unit\_price = (SELECT MAX(unit\_price) FROM Products);



7-QUERRY:

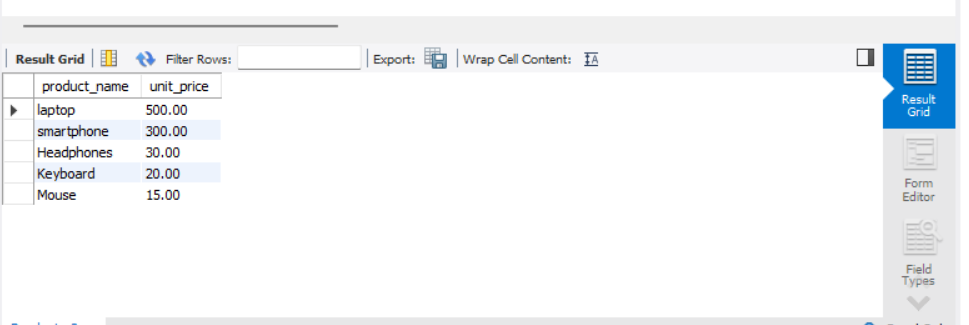
use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT product\_name, unit\_price FROM Products

ORDER BY unit\_price DESC;



8-QUERRY:

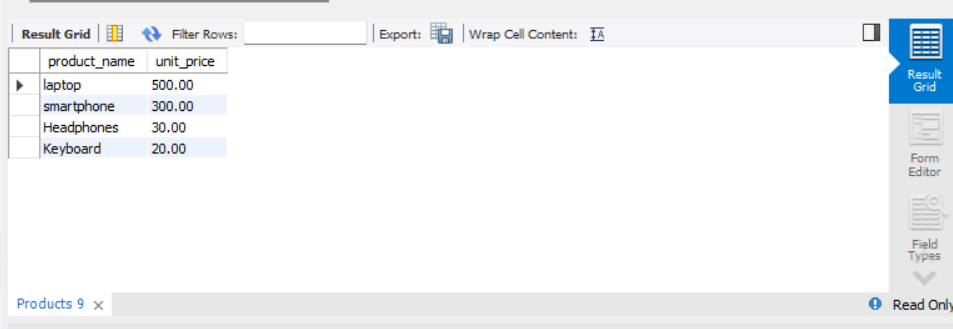
use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT product\_name, unit\_price FROM Products

WHERE unit\_price BETWEEN 20 AND 600;



9-QUERRY:

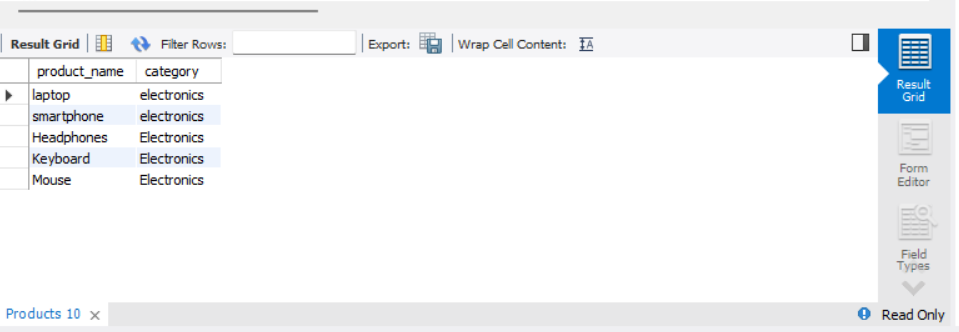
use market

CREATE TABLE Product (product\_id INT PRIMARY KEY,product\_name VARCHAR(100),category VARCHAR(50),unit\_price DECIMAL(10, 2));

INSERT INTO Products VALUES(101, 'Laptop','Electronics', 500.00),(102,'Smartphone','Electronics', 300.00),(103,'Headphones','Electronics', 30.00),(104,'Keyboard','Electronics', 20.00),(105,'Mouse','Electronics', 15.00);

SELECT product\_name, category FROM Products

ORDER BY category ASC;



2-1:QUERRY:

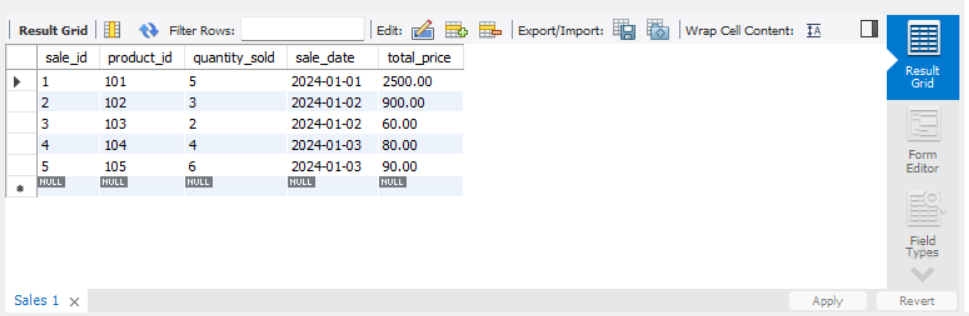
create database market

use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT \* FROM Sales;



2:QUERRY:

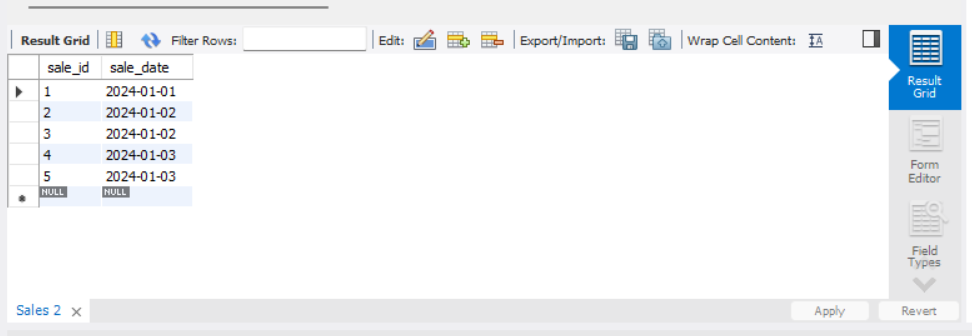
create database market

use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00)

SELECT sale\_id, sale\_date FROM Sales;;



3.QUERRY:

create database market

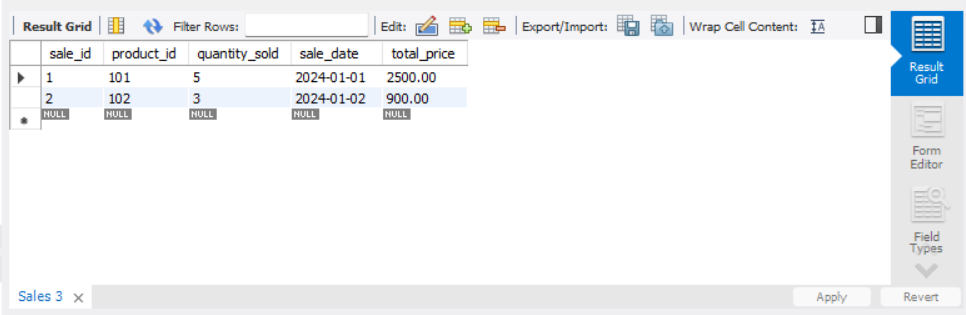
use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT \* FROM Sales

WHERE total\_price > 100;



4.QUERRY:

create database market

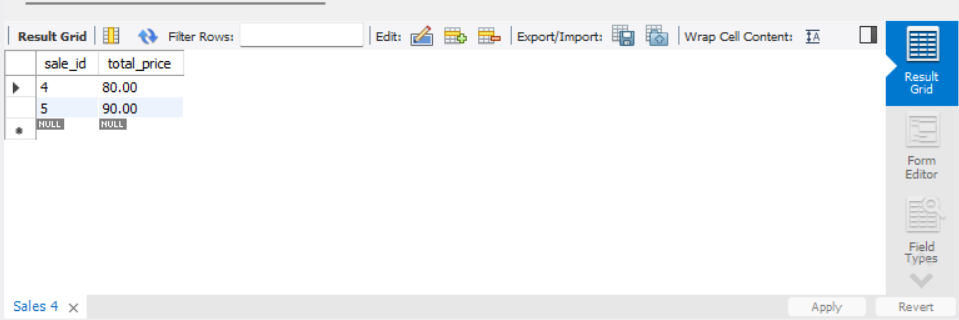
use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT sale\_id, total\_price FROM Sales

WHERE sale\_date = '2024-01-03';



5.QUERRY:

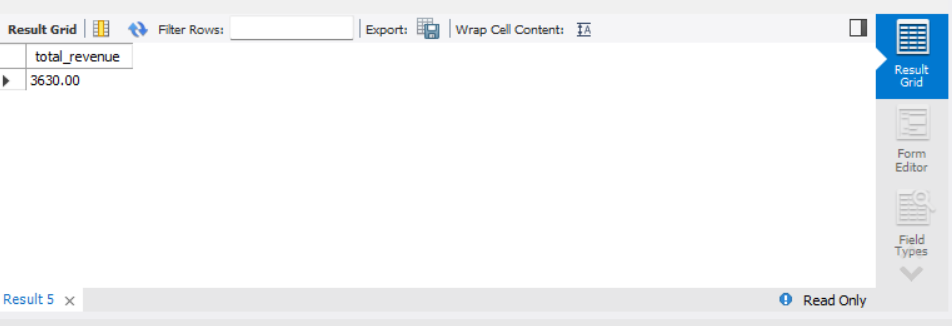
create database market

use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT SUM(total\_price) AS total\_revenue FROM Sales;



6.QUERRY:

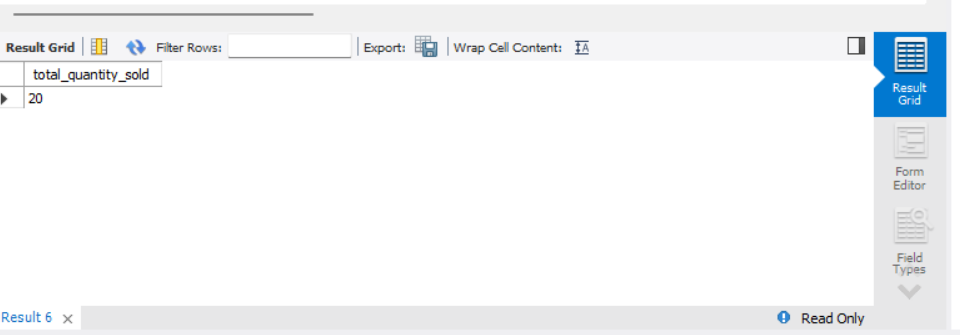
create database market

use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT SUM(quantity\_sold) AS total\_quantity\_sold FROM Sales;



7.QUERRY:

create database market

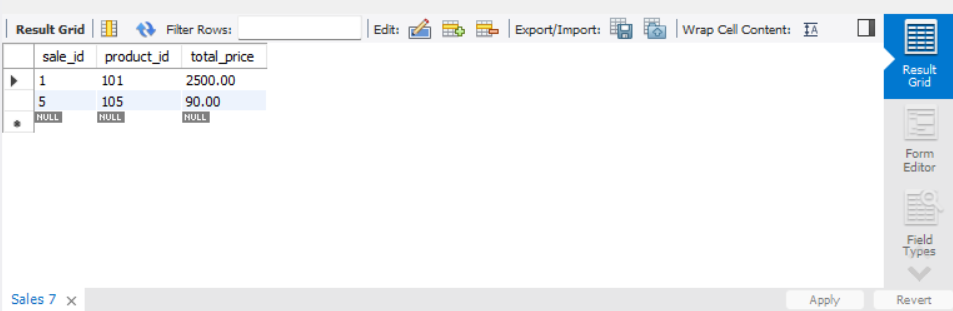
use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT sale\_id, product\_id, total\_price FROM Sales

WHERE quantity\_sold > 4;



8.QUERRY:

create database market

use market

CREATE TABLE Sales (sale\_id INT PRIMARY KEY, product\_id INT,quantity\_sold INT,sale\_date DATE,total\_price DECIMAL(10, 2),FOREIGN KEY (product\_id) REFERENCES Products(product\_id));

INSERT INTO Sales VALUES(1, 101, 5,'2024-01-01', 2500.00),(2, 102, 3,'2024-01-02', 900.00),(3, 103, 2,'2024-01-02', 60.00),(4, 104, 4,'2024-01-03', 80.00),(5, 105, 6,'2024-01-03', 90.00);

SELECT AVG(total\_price) AS average\_sale\_price FROM Sales;

