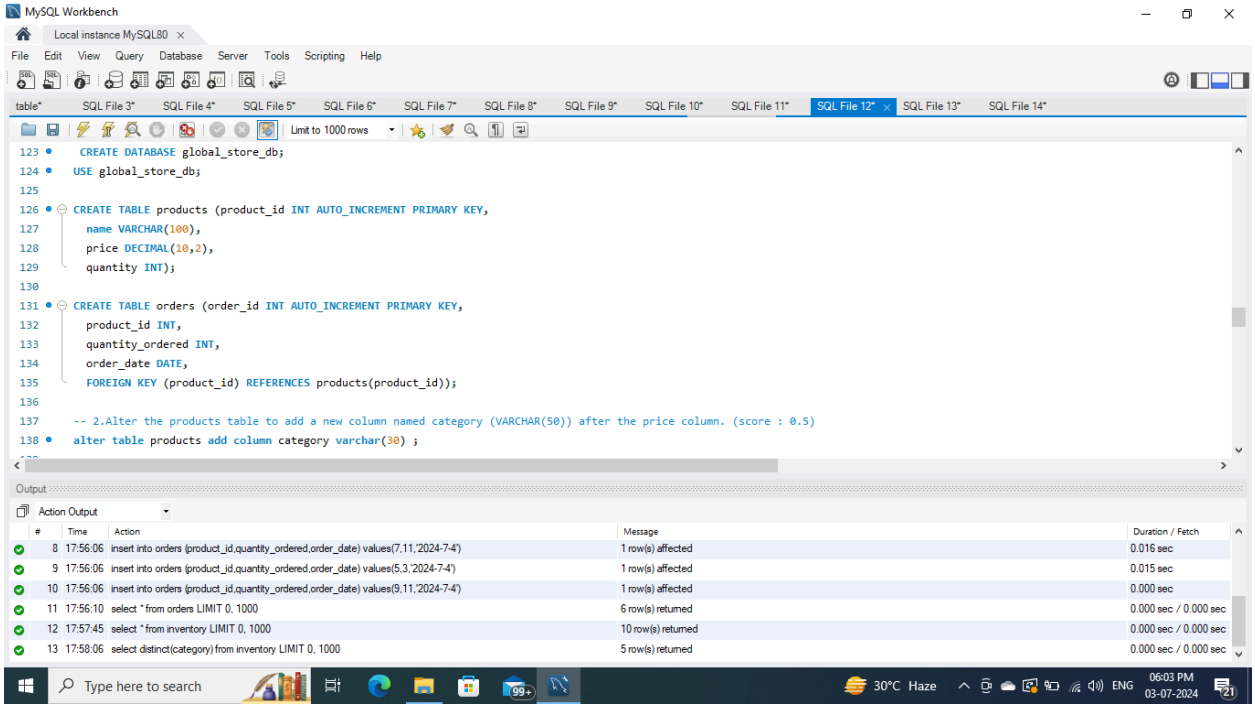
1. Create the following tables inside the database ‘global_store_db’.(Score :2)
‘products’ with columns:

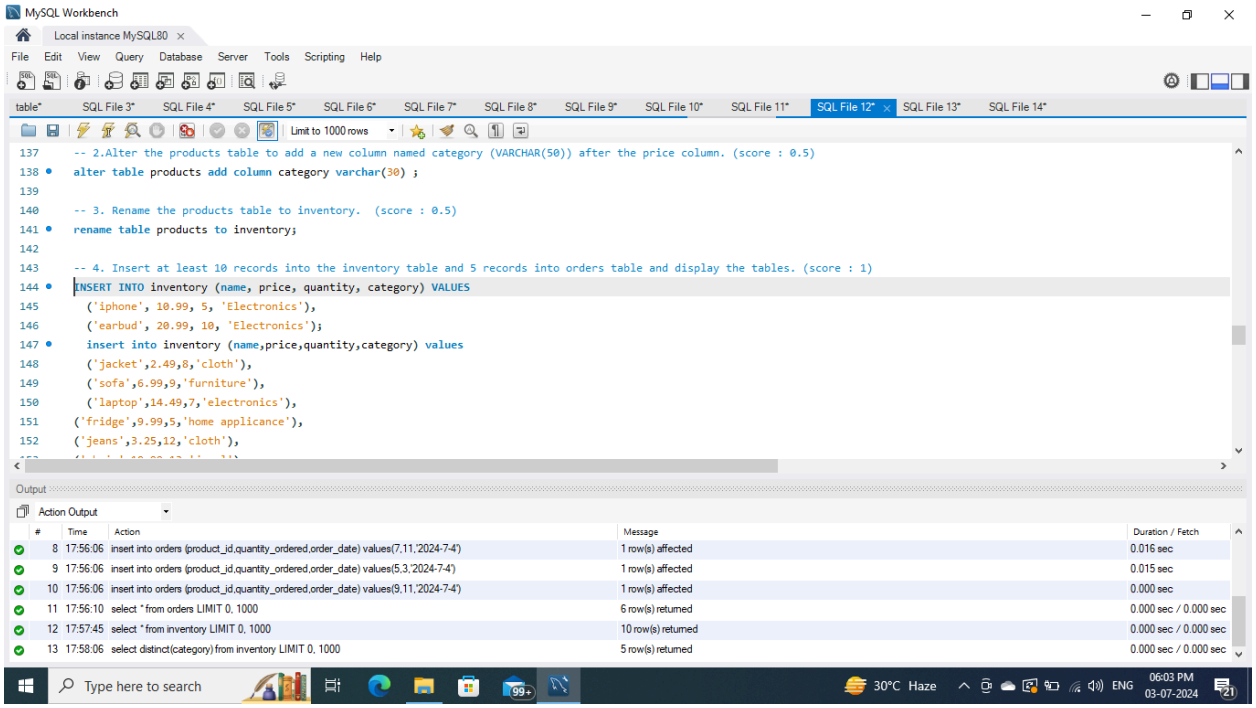
- product_id (INT, auto_increment, primary key),
- name (VARCHAR(100)),
- price (DECIMAL(10,2)),
- quantity (INT).

‘orders’ with columns:

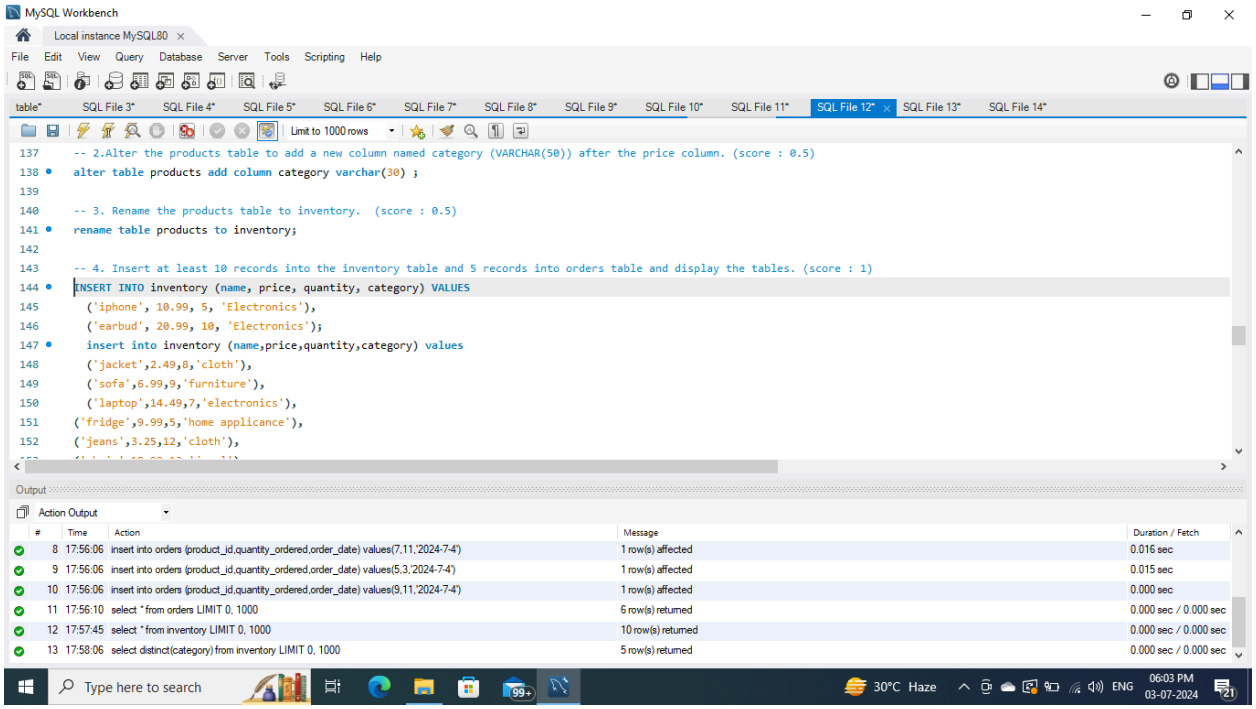
- order_id (INT, auto_increment, primary key),
- product_id (INT, foreign key referencing product_id in the inventory table),
- quantity_ordered (INT)
- order_date (DATE).



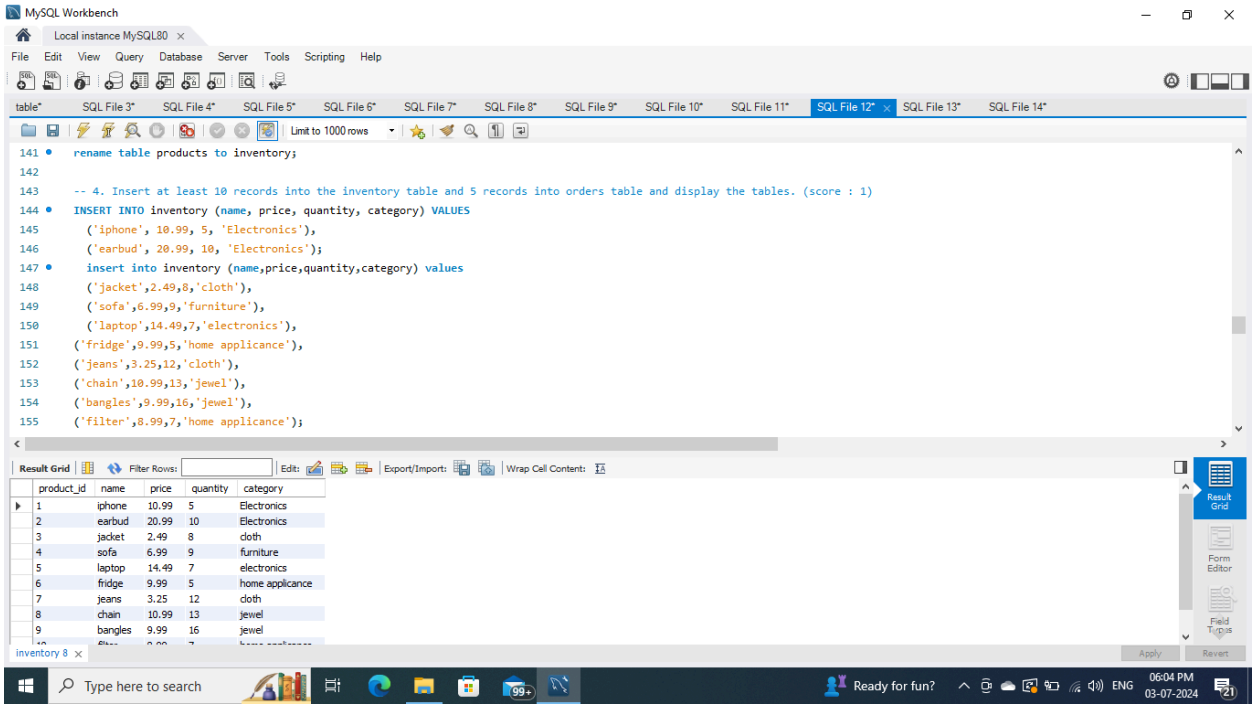
2.Alter the products table to add a new column named category (VARCHAR(50)) after the price column. (score : 0.5)

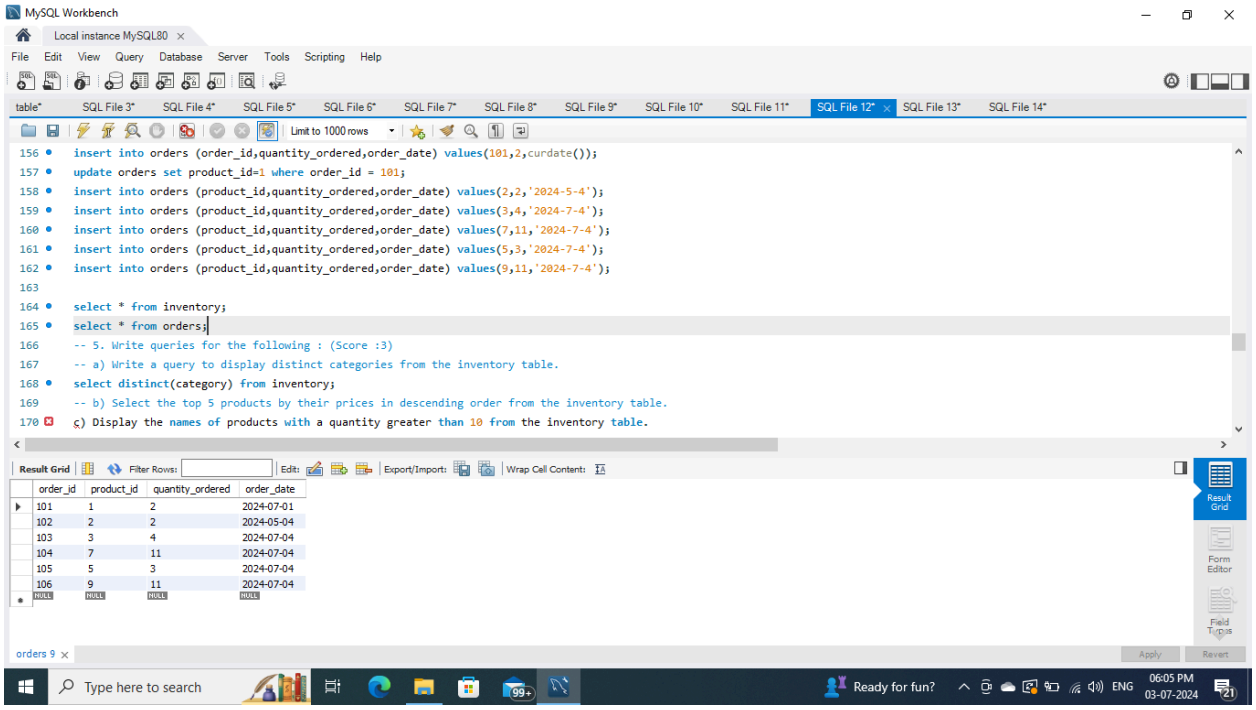


3. Rename the products table to inventory. (score : 0.5)



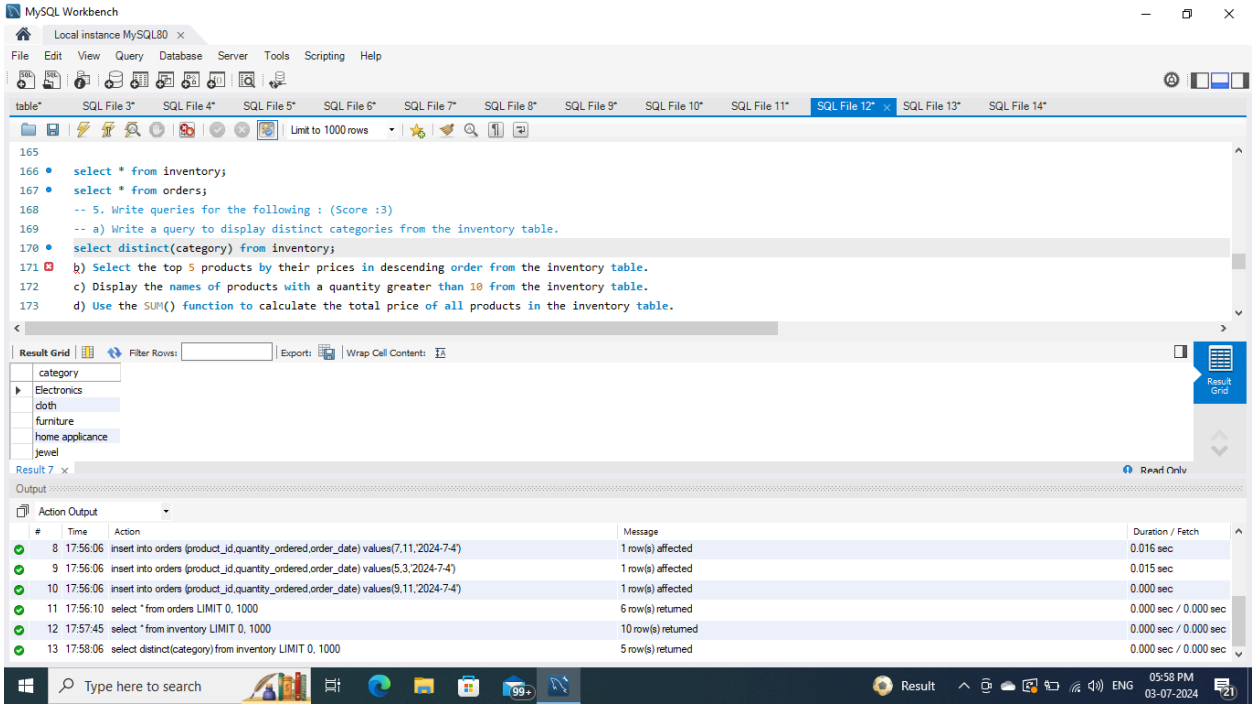
4. Insert at least 10 records into the inventory table and 5 records into orders table and display the tables. (score : 1)



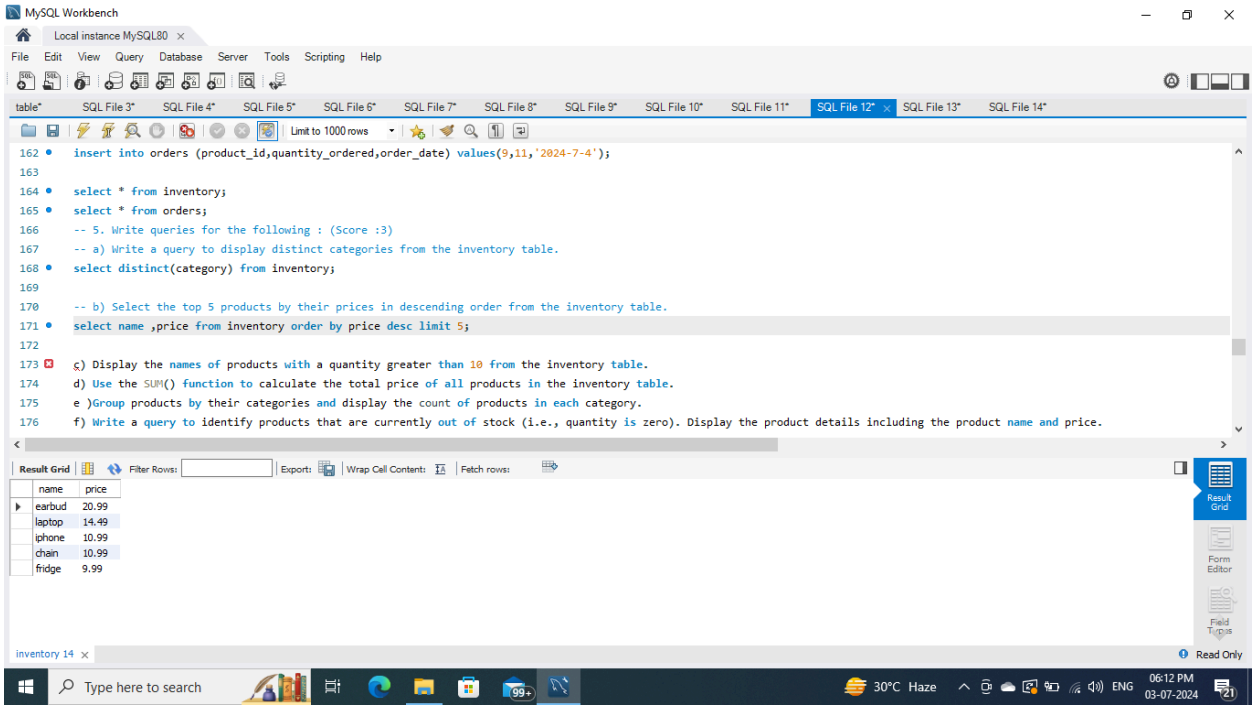


5. Write queries for the following : (Score :3)

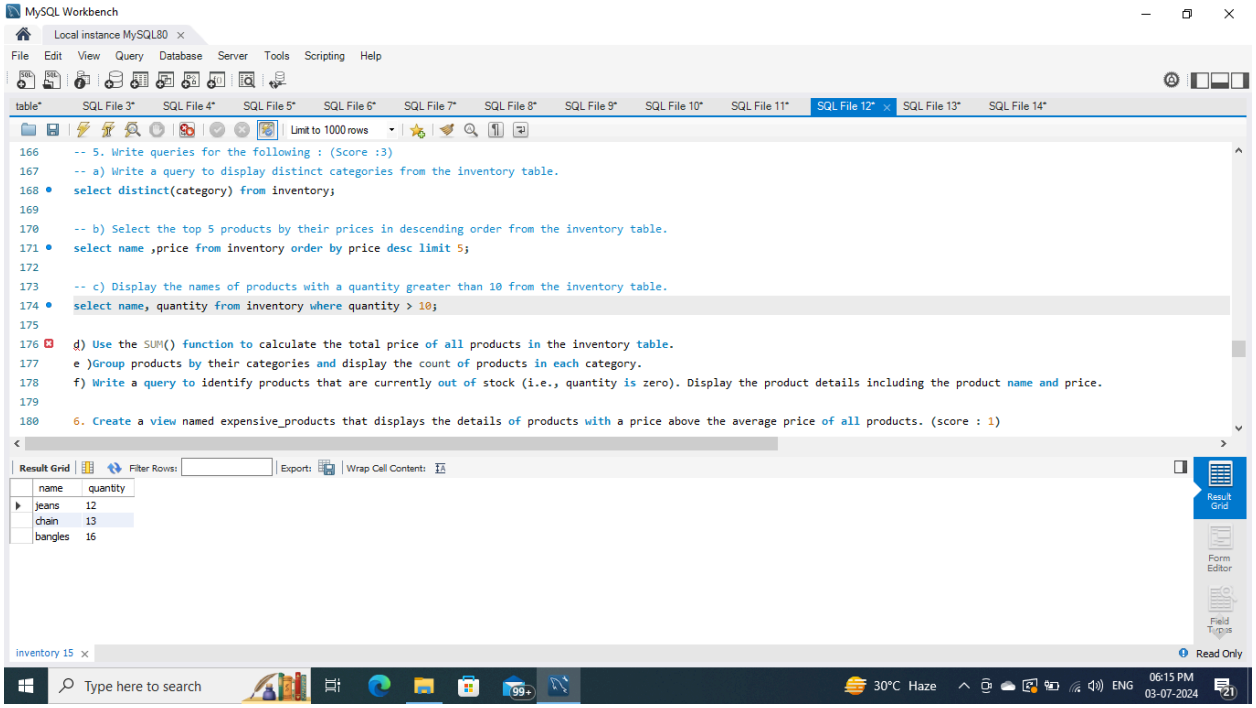
a) Write a query to display distinct categories from the inventory table.



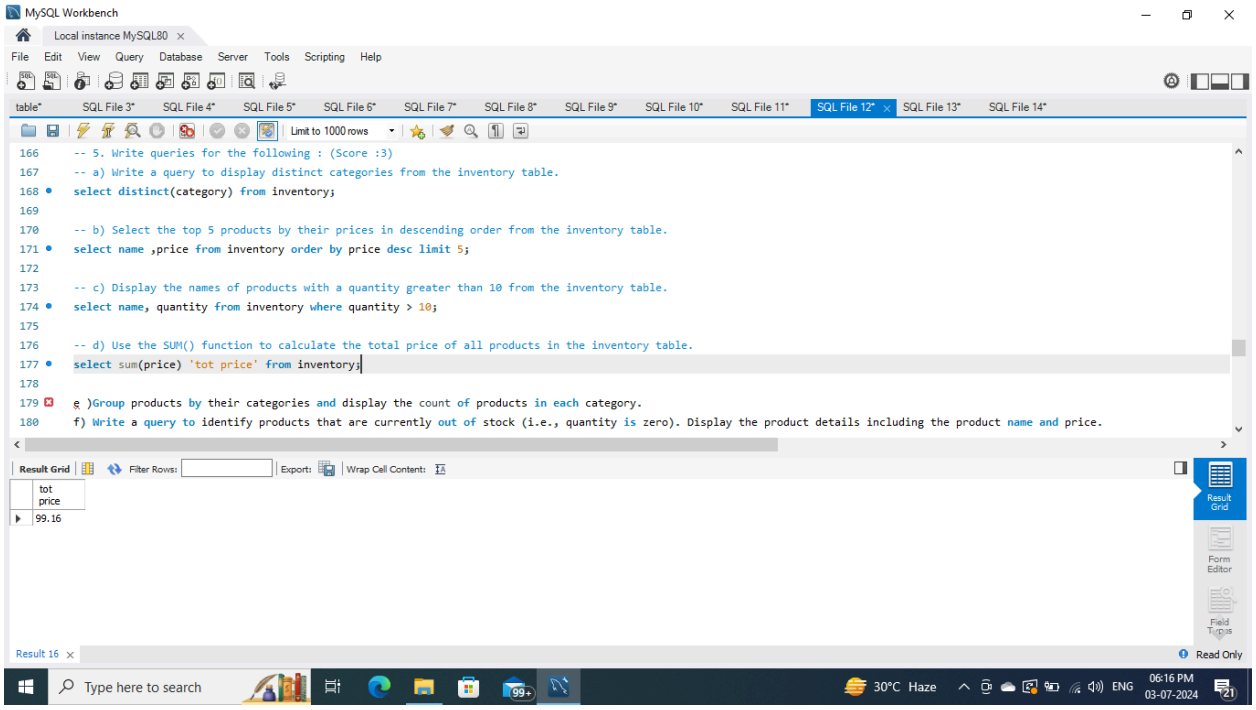
b) Select the top 5 products by their prices in descending order from the inventory table.



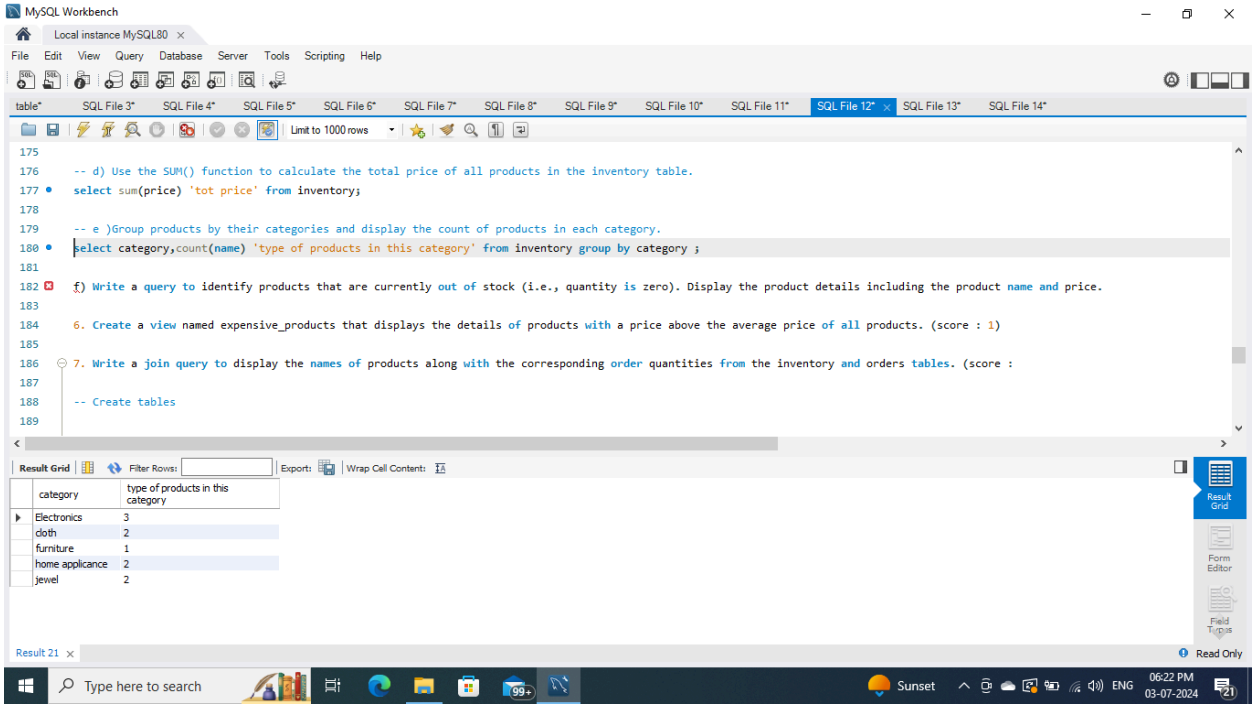
c) Display the names of products with a quantity greater than 10 from the inventory table.



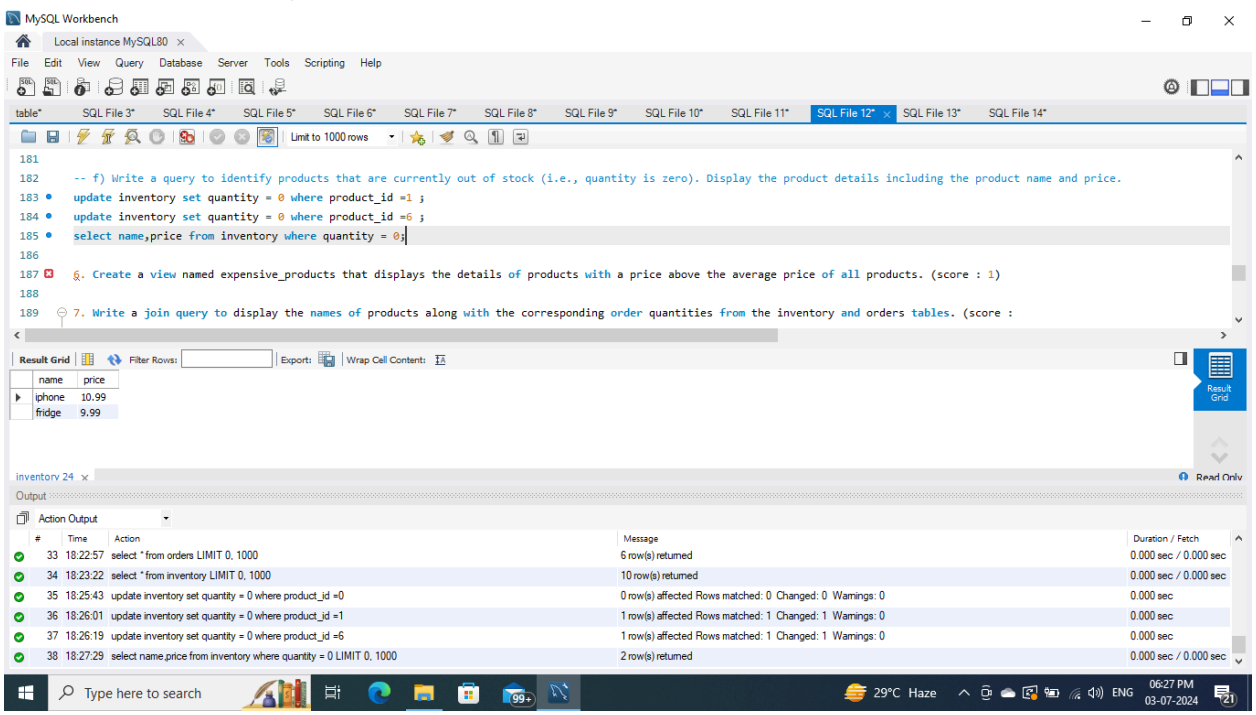
d) Use the SUM() function to calculate the total price of all products in the inventory table.



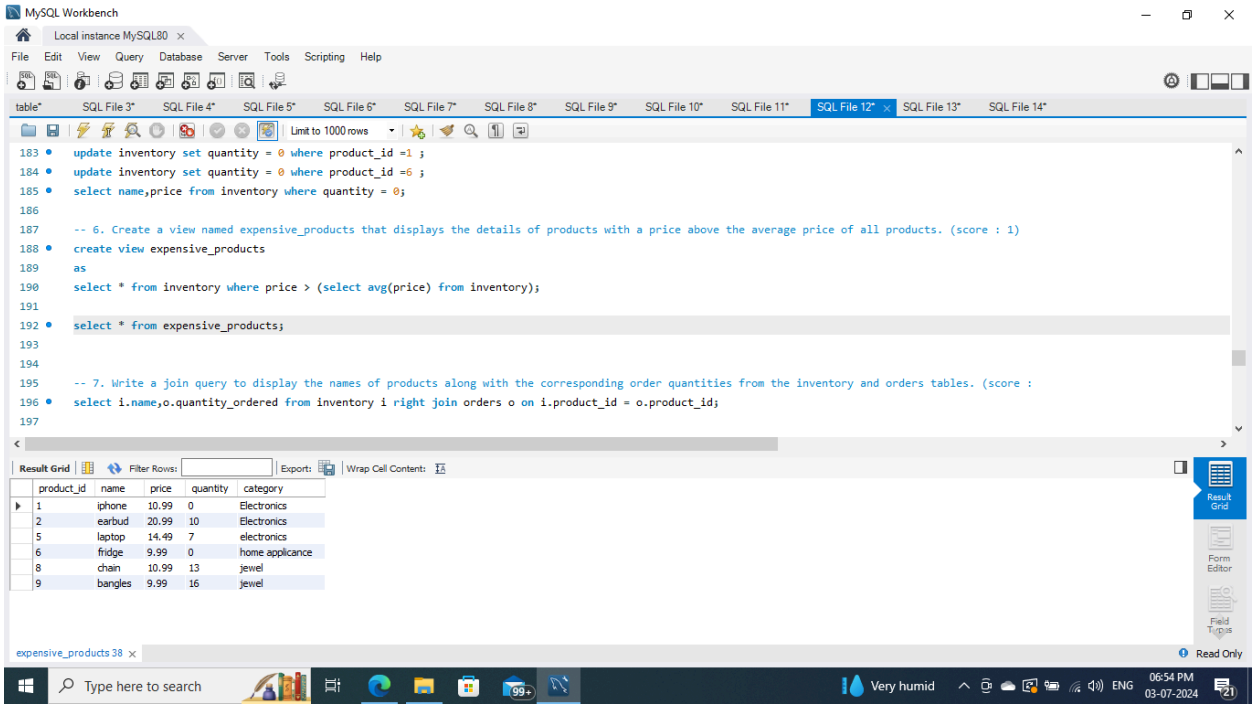
e)Group products by their categories and display the count of products in each category.



f) Write a query to identify products that are currently out of stock (i.e., quantity is zero). Display the product details including the product name and price.



6. Create a view named expensive_products that displays the details of products with a price above the average price of all products. (score : 1)



7. Write a join query to display the names of products along with the corresponding order quantities from the inventory and orders tables. (score : 1)