Class Exercise:

Inventory

Exercise Description:

In this exercise, we will work with tuples to create a program that manages a simple product inventory. We will use tuples to store the product information, including the product name, price, and quantity.

Your task is to write the code that performs the following operations on the product inventory without using a menu:

* Add products to the inventory.
* Display the current inventory.
* Update the quantity of a product.
* Remove products from the inventory.

Once you have completed the code, test it by performing the specified operations on the product inventory.

# Initialize an empty product inventory

inventory = []

# Add products to the inventory

# Your code here

# Display the current inventory

# Your code here

# Update the quantity of a product

# Your code here

# Remove products from the inventory

# Your code here

# Display the updated inventory

# Your code here

Current Inventory:

Product: Laptop, Price: $1000, Quantity: 5

Product: Headphones, Price: $50, Quantity: 10

Product: Mouse, Price: $20, Quantity: 15

Quantity updated for product: Laptop

Product removed from the inventory: Headphones

Updated Inventory:

Product: Laptop, Price: $1000, Quantity: 3

Product: Mouse, Price: $20, Quantity: 15