# Features:

# Main Menu (with loop and if-statements):

#

# Show options like Add Item, Update Stock, Search Item, Display Inventory, Exit.

# Add Item Function:

#

# Add an item with details like name, price, and stock.

# Store this information in a dictionary.

# Update Stock Function:

#

# Update the stock quantity of an item in the inventory.

# Search Item Function:

#

# Search for an item by name and display its details.

# Display Inventory Function:

#

# Display all items in the inventory with their details.

inventory = {}

def add\_item(name, price, stock):

inventory[name] = {'price': price, 'stock': stock}

def update\_stock(name, stock):

if name in inventory:

inventory[name]['stock'] += stock

print(f"Updated stock for {name}. New stock: {inventory[name]['stock']}")

else:

print(f"Item {name} not found in inventory.")

def search\_item(name):

if name in inventory:

print(f"Item: {name}")

print(f"Price: {inventory[name]['price']}")

print(f"Stock: {inventory[name]['stock']}")

else:

print(f"Item {name} not found.")

def display\_inventory():

if inventory:

for name, details in inventory.items():

print(f"Item: {name}, Price: {details['price']}, Stock: {details['stock']}")

else:

print("Inventory is empty.")

while True:

print("\n1. Add Item\n2. Update Stock\n3. Search Item\n4. Display Inventory\n5. Exit")

choice = int(input("Enter your choice: "))

if choice == 1:

item\_name = input("Enter item name: ")

price = float(input("Enter price: "))

stock = int(input("Enter stock: "))

add\_item(item\_name, price, stock)

elif choice == 2:

item\_name = input("Enter item name: ")

stock = int(input("Enter stock to add: "))

update\_stock(item\_name, stock)

elif choice == 3:

item\_name = input("Enter item name: ")

search\_item(item\_name)

elif choice == 4:

display\_inventory()

elif choice == 5:

break

else:

print("Invalid choice. Try again.")