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class Product:
    def __init__(self, name, price, stock):
        self.name = name
        self.price = price
        self.stock = stock

    def update_stock(self, quantity):
        self.stock += quantity

    def __str__(self):
        return f"Product: {self.name}, Price: ${self.price:.2f}, Stock: {self.stock}"

def main():
    products = {}

    while True:
        print("\n1. Add a new product")
        print("2. Update stock")
        print("3. View product details")
        print("4. Exit")
        choice = input("Choose an option: ")

        if choice == '1':
            name = input("Enter product name: ")
            price = float(input("Enter product price: "))
            stock = int(input("Enter product stock: "))
            product = Product(name, price, stock)
            products[name] = product
            print("Product added successfully!")

        elif choice == '2':
            name = input("Enter product name to update: ")
            if name in products:
                quantity = int(input("Enter quantity to add/remove: "))
                products[name].update_stock(quantity)
                print("Stock updated successfully!")
            else:
                print("Product not found!")

        elif choice == '3':
            name = input("Enter product name: ")
            if name in products:
                print(products[name])
            else:
                print("Product not found!")

        elif choice == '4':
            print("Exiting the system. Goodbye!")
            break

        else:
            print("Invalid option, please try again.")

if __name__ == "__main__":
    main()

...
1. Add a new product
2. Update stock
3. View product details
4. Exit
Choose an option: 1
Enter product name: laptop
Enter product price: 7000
Enter product stock: 120
Product added successfully!

1. Add a new product
2. Update stock
3. View product details
4. Exit

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Choose an option: 2
Enter product name to update: laptop
Enter q Add text cell add/remove: 230
Stock updated successfully!

1. Add a new product
2. Update stock
3. View product details
4. Exit
Choose an option: 3
Enter product name: laptop
Product: laptop, Price: $7000.00, Stock: 350

1. Add a new product
2. Update stock
3. View product details
4. Exit
Choose an option: 
```