

Heet Jain

Roll No. - 22

```
In [1]: 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
        print("Stock updated!")

    def __str__(self):
        return f"{self.name} | Price: ₹{self.price} | Stock: {self.stock}"

def main():
    products = {}

    while True:
        print("\n1. Add Product\n2. Update Stock\n3. View Product\n4. Exit")
        choice = input("Enter choice: ")

        if choice == '1':
            name = input("Product Name: ")
            price = float(input("Price: "))
            stock = int(input("Stock: "))
            products[name] = Product(name, price, stock)
            print("Product Added!")

        elif choice == '2':
            name = input("Product Name: ")
            if name in products:
                quantity = int(input("Add/Remove Quantity: "))
                products[name].update_stock(quantity)
            else:
                print("Product Not Found!")

        elif choice == '3':
            name = input("Product Name: ")
            if name in products:
                print(products[name])
            else:
                print("Product Not Found!")

        elif choice == '4':
            print("Goodbye!")
            break

        else:
            print("Invalid Choice!")
```

```
if __name__ == "__main__":  
    main()
```

1. Add Product
2. Update Stock
3. View Product
4. Exit

Product Added!

1. Add Product
2. Update Stock
3. View Product
4. Exit

Product Added!

1. Add Product
2. Update Stock
3. View Product
4. Exit

Laptop | Price: ₹50000.0 | Stock: 10

1. Add Product
2. Update Stock
3. View Product
4. Exit

Stock updated!

1. Add Product
2. Update Stock
3. View Product
4. Exit

Laptop | Price: ₹50000.0 | Stock: 7

1. Add Product
2. Update Stock
3. View Product
4. Exit

Goodbye!

In []: