

1) Task: Online Shopping Cart with HashSet

Imagine you're building an online shopping cart for a website. Users can browse items and add them to their cart. To make sure users don't accidentally add the same item multiple times, you decide to use a HashSet to keep track of the unique items in the cart.

Here's what the program should do:

- Display a list of available items for users to choose from.
- Allow users to add items to their cart.
- Ensure that duplicate items are not added to the cart.
- Display the contents of the user's shopping cart when requested.

Expected Output:

```
Welcome to Online Shopping!

Available Items:
1. T-shirt
2. Jeans
3. Sneakers
4. Backpack
5. Hat

Select an item to add to your cart (enter item number): 2
Item 'Jeans' added to your cart.

Select an item to add to your cart (enter item number): 3
Item 'Sneakers' added to your cart.

Select an item to add to your cart (enter item number): 2
Item 'Jeans' is already in your cart.

Select an item to add to your cart (enter item number): 1
Item 'T-shirt' added to your cart.

Select an item to add to your cart (enter item number): 4
Item 'Backpack' added to your cart.

Select an item to add to your cart (enter item number): 5
Item 'Hat' added to your cart.

Select an item to add to your cart (enter item number): 6
Invalid item number. Please choose a valid item number.

Select an item to add to your cart (enter item number): 2
Item 'Jeans' is already in your cart.

Would you like to view your cart? (yes/no): yes

Items in Your Cart:
- T-shirt
- Jeans
- Sneakers
- Backpack
- Hat
```

2) Task: Store Inventory System

You're tasked with creating a simple inventory system for a store using a HashMap.

Task Description: Create a program that allows the store owner to manage their inventory. The program should support the following operations:

Add items to the inventory with their names and quantities.

Check the quantity of a specific item in the inventory.

Remove items from the inventory.

List all items in the inventory along with their quantities.

Expected Output:

```
Store Inventory System
-----
1. Add Item
2. Check Quantity
3. Remove Item
4. List Inventory
5. Exit

Enter your choice: 1
Enter item name: Apple
Enter quantity: 50

Item 'Apple' added to inventory.

Enter your choice: 2
Enter item name: Banana

Item 'Banana' not found in inventory.

Enter your choice: 2
Enter item name: Apple

Quantity of 'Apple' in inventory: 50

Enter your choice: 3
Enter item name: Apple

Item 'Apple' removed from inventory.

Enter your choice: 4

Inventory:
- Banana: 30
- Orange: 20
```

Enter your choice: 5

Goodbye!