

```
a = {1,2,3,4,5}
a
```

```
{1, 2, 3, 4, 5}
```

```
b = {3,4,5,6,7}
b
```

```
a.add(7)
a
```

```
{1, 2, 3, 4, 5, 7}
```

```
c = a.copy()
```

```
c
```

```
{1, 2, 3, 4, 5, 7}
```

```
a.union(b)
```

```
{1, 2, 3, 4, 5, 6, 7}
```

```
a.intersection(b)
```

```
{3, 4, 5, 7}
```

```
a.difference(b)
```

```
{1, 2}
```

```
b.difference(a)
```

```
{6}
```

```
: b.difference(a)
```

```
: {6}
```

```
a.symmetric_difference(b)
```

```
a
```

```
: a.symmetric_difference(b)
```

```
a
```

```
: {1, 2, 3, 4, 5, 7}
```

```
: a.discard(5)
```

```
a
```

```
: {1, 2, 3, 4, 7}
```

```
: a.update([20,30])
```

```
a
```

```
: {1, 2, 3, 4, 7, 20, 30}
```

```
: a.difference_update
```

```
a
```

```
: a.difference_update
```

```
a
```

```
: {1, 2, 3, 4, 7, 20, 30}
```

```
: a
```

```
: {1, 2, 3, 4, 7, 20, 30}
```

```
: a.isdisjoint(b)
```

```
a
```

```
: {1, 2, 3, 4, 7, 20, 30}
```

```
: a.issubset(b)
```

```
a
```

```
: {1, 2, 3, 4, 7, 20, 30}
```

```
my_list = []

while True:
    print("\nList Operations:")
    print("1. Insert an element")
    print("2. Delete an element")
    print("3. Find an element")
    print("4. Display list")
    print("5. Exit")

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

    if choice == 1:
        element = input("Enter element to insert: ")
        my_list.append(element)
        print(f"Element '{element}' inserted.")

    elif choice == 2:
        element = input("Enter element to delete: ")
        if element in my_list:
            my_list.remove(element)
            print(f"Element '{element}' deleted.")
        else:
            print(f"Element '{element}' not found.")

    elif choice == 3:
        element = input("Enter element to find: ")
        if element in my_list:
            print(f"Element '{element}' found.")
        else:
            print(f"Element '{element}' not found.")

    elif choice == 4:
        print(f"Current list: {my_list}")
```

```

        print(f"Element {element} not found.")

    elif choice == 4:
        print(f"Current list: {my_list}")

    elif choice == 5:
        print("Exiting program...")
        break

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

```

List Operations:  
 1. Insert an element  
 2. Delete an element  
 3. Find an element  
 4. Display list  
 5. Exit  
 Enter your choice: 1  
 Enter element to insert: 5  
 Element '5' inserted.

List Operations:  
 1. Insert an element  
 2. Delete an element  
 3. Find an element  
 4. Display list  
 5. Exit  
 Enter your choice: 1  
 Enter element to insert: 12  
 Element '12' inserted.