Midterm Lab Task 3. Using List Collections

INPUT**:**

```python
things = []


def intro():
    print("[ MENU OPTIONS]\n"
          "1 - Add Items\n"
          "2 - Search for an Item\n"
          "3 - Remove an Item\n"
          "4 - View all Items (Sorted)\n"
          "0. Exit Problem")
    ans = input("Pick one [0 to quit]: ")
    return ans


def add():
    print()
    while True:
        name = input("Input a name (type x to stop): ")
        if name == 'x':
            break
        else:
            things.append(name)
    print()


def search():
    print()
    if len(things) == 0:
        return
    which = input("What're yah looking for?: ")
    if which in things:
        count = things.count(which)
        print(f"Succesfully found \"{which}\" {count} time/s!")
    else:
        print(f"No \"{which}\" found.")
    print()


def remove():
    print()
    if len(things) == 0:
        return
    print("List:")
    for i in things:
        print(f"-{i}")
```

```python
    which = input("Which one? (Name): ")
    if which in things:
        things.remove(which)
        print("Item found and deleted.")
    else:
        print("Item not found - deletion unsuccessful.")
    print()


def view():
    print()
    if len(things) == 0:
        return
    temp = things.copy()
    temp.sort()
    print("Sorted List:")
    for i, word in enumerate(temp, start=1):
        print(f"{i} - {word}")
    print()


while True:
    ans = intro()
    if ans == '1':
        add()
    elif ans == '2':
        search()
    elif ans == '3':
        remove()
    elif ans == '4':
        view()
    elif ans == '5':
        print("\nThank you for using my program!")
        break
    else:
        print("\nPlease input a correct digit [0-4]\n")
```

OUTPUT:

```
C:\Users\COMLAB\PycharmProjects\pythonProject1\venv\Scripts\pyth
[ MENU OPTIONS]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted)
0. Exit Problem
Pick one [0 to quit]: 1

Input a name (type x to stop): Rolex
Input a name (type x to stop): Wallet
Input a name (type x to stop): Iphone
Input a name (type x to stop): x

[ MENU OPTIONS]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted)
0. Exit Problem
Pick one [0 to quit]: 2

What're yah looking for?: Wallet
Succesfully found "Wallet" 1 time/s!
```