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700P
MLABTASK#3

SAMPLE OUTPUT:

```
[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program

Pick one [0 to quit]: 1
Enter an item to add (or press 'x' to stop): Computer
Item 'Computer' added.
Enter an item to add (or press 'x' to stop): CELLPHONE
Item 'CELLPHONE' added.
Enter an item to add (or press 'x' to stop): BOOKS
Item 'BOOKS' added.
Enter an item to add (or press 'x' to stop): X

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program

Pick one [0 to quit]: 2
Enter the item you want to search for: BOOKS
Item 'BOOKS' found 1 time(s).

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program

Pick one [0 to quit]: 3
Enter the item you want to remove: COMPUTER
Item 'COMPUER' not found - deletion unsuccessful.

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all items (Sorted either A-Z | Z-A)
0 - Exit program

Pick one [0 to quit]: 3
Enter the item you want to remove: COMPUTER
Item 'COMPUTER' not found - deletion unsuccessful.

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item

Pick one [0 to quit]: 3
Enter the item you want to remove: COMPUTER
Item 'COMPUTER' not found - deletion unsuccessful.

[ MENU OPTIONS ]
1 - Add Items
2 - Search for an Item
3 - Remove an Item

Pick one [0 to quit]: 0
Exiting program...

...Program finished with exit code 0
Press ENTER to exit console.
```

```

# Initialize an empty list to store items
items = []

def add_items():
    """Add items to the list until 'x' is pressed."""
    while True:
        item = input("Enter an item to add (or press 'x' to stop): ")
        if item.lower() == 'x':
            break
        else:
            items.append(item)
        print(f"Item '{item}' added.")

def search_item():
    """Search for an item in the list."""
    search_term = input("Enter the item you want to search for: ")
    count = items.count(search_term)
    if count > 0:
        print(f"Item '{search_term}' found {count} time(s).")
    else:
        print(f"Item '{search_term}' not found.")

def remove_item():
    """Remove an item from the list."""
    item_to_remove = input("Enter the item you want to remove: ")
    if item_to_remove in items:
        items.remove(item_to_remove)
        print(f"Item '{item_to_remove}' found and deleted.")

```

```

else:
    print(f'Item '{item_to_remove}' not found - deletion unsuccessful.')

def view_items():
    """View all items in the list, sorted either A-Z or Z-A."""
    sort_order = input("Do you want to view items sorted A-Z or Z-A? (Enter 'A' for A-Z or 'Z' for Z-A): ")
    if sort_order.lower() == 'a':
        sorted_items = sorted(items)
        print("Items sorted A-Z:")
    elif sort_order.lower() == 'z':
        sorted_items = sorted(items, reverse=True)
        print("Items sorted Z-A:")
    else:
        print("Invalid input. Displaying items unsorted.")
        sorted_items = items

    for item in sorted_items:
        print(item)

def main():
    """Main function to display the menu and handle user input."""
    while True:
        print("\n[ MENU OPTIONS ]")
        print("1 - Add Items")
        print("2 - Search for an Item")
        print("3 - Remove an Item")
        print("4 - View all items (Sorted either A-Z | Z-A)")
        print("0 - Exit program")

```

```
choice = input("\nPick one [0 to quit]: ")
```

```
if choice == '1':
```

```
    add_items()
```

```
elif choice == '2':
```

```
    search_item()
```

```
elif choice == '3':
```

```
    remove_item()
```

```
elif choice == '4':
```

```
    view_items()
```

```
elif choice == '0':
```

```
    print("Exiting program...")
```

```
    break
```

```
else:
```

```
    print("Invalid option, please try again.")
```

```
if __name__ == "__main__":
```

```
    main()
```