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BSCS – C204

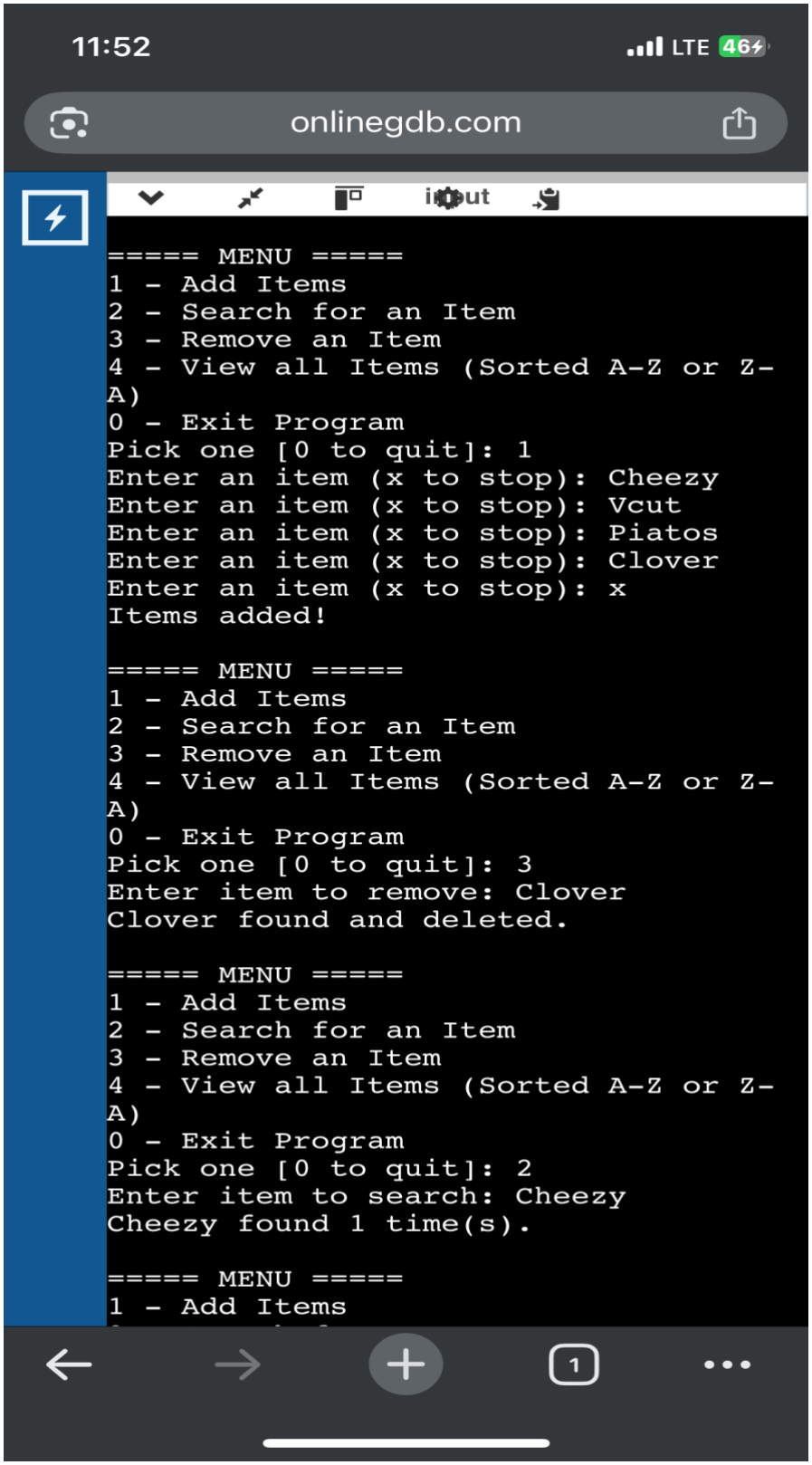
Code:

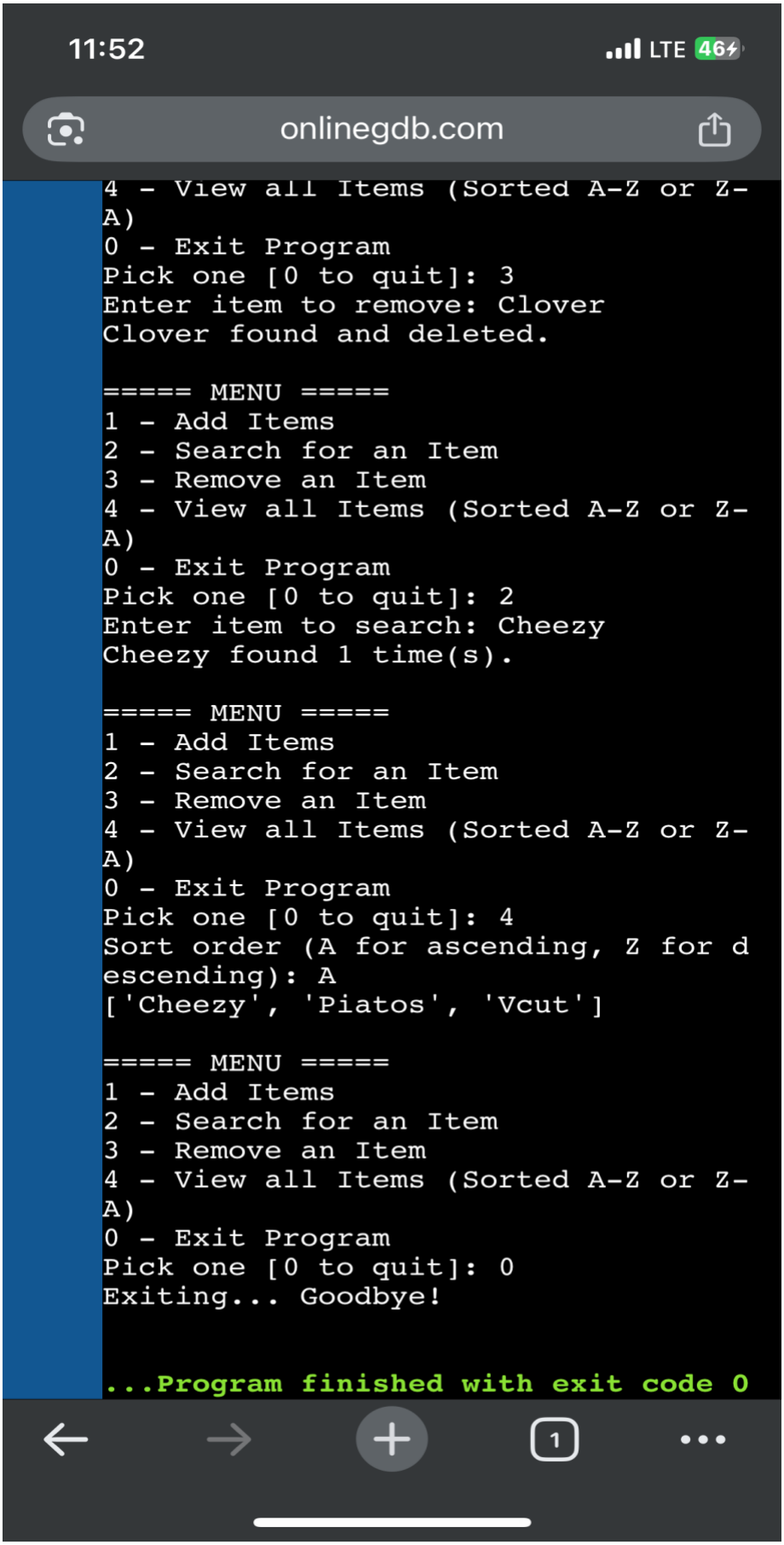
```
items = []


while True:
    print()
    print("===== MENU =====")
    print("1 - Add Items")
    print("2 - Search for an Item")
    print("3 - Remove an Item")
    print("4 - View all Items (Sorted A-Z or Z-A)")
    print("0 - Exit Program")

    choice = input("Pick one [0 to quit]: ")

    if choice == "1":
        while True:
            item = input("Enter an item (x to stop): ")
            if item.lower() == "x":
                break
            items.append(item)
        print("Items added!")

    elif choice == "2":
        search_item = input("Enter item to search: ")
```

```
    count = items.count(search_item)
    if count > 0:
        print(search_item, "found", count, "time(s).")
    else:
        print(search_item, "not found.")

elif choice == "3":
    remove_item = input("Enter item to remove: ")
    if remove_item in items:
        items.remove(remove_item)
        print(remove_item, "found and deleted.")
    else:
        print(remove_item, "not found - deletion unsuccessful.")

elif choice == "4":
    if len(items) == 0:
        print("List is empty.")
    else:
        order = input("Sort order (A for ascending, Z for descending): ")
        if order == "A" or order == "a":
            print(sorted(items))
        elif order == "Z" or order == "z":
            print(sorted(items, reverse=True))
        else:
            print("Invalid choice. Showing list as is:")
            print(items)
```

```
elif choice == "0":
    print("Exiting... Goodbye!")
    break

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

Output:


11:52
LTE
onlinegdb.com
input
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 1
Enter an item (x to stop): Cheezy
Enter an item (x to stop): Vcut
Enter an item (x to stop): Piatos
Enter an item (x to stop): Clover
Enter an item (x to stop): x
Items added!
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 3
Enter item to remove: Clover
Clover found and deleted.
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 2
Enter item to search: Cheezy
Cheezy found 1 time(s).
===== MENU =====
1 - Add Items


11:52
LTE 46
onlinegdb.com
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 3
Enter item to remove: Clover
Clover found and deleted.
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 2
Enter item to search: Cheezy
Cheezy found 1 time(s).
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 4
Sort order (A for ascending, Z for descending): A
['Cheezy', 'Piatos', 'Vcut']
===== MENU =====
1 - Add Items
2 - Search for an Item
3 - Remove an Item
4 - View all Items (Sorted A-Z or Z-A)
0 - Exit Program
Pick one [0 to quit]: 0
Exiting... Goodbye!
...Program finished with exit code 0