

Lab Goal : This lab was designed to teach you more about sorting and searching.

Lab Description : Write a program that organizes Strings alphabetically.

Sample Output :

```
adding alice
adding tommy
adding bobby
printing the list ::  alice bobby tommy
```

```
removing bobby
printing the list ::  alice tommy
```

```
removing alice
printing the list ::  tommy
```

```
adding fred
adding xylaphone
printing the list ::  fred tommy xylaphone
```

Add Algorithm

- 1st - Check to see if the item exists in list -
quit method if item exists
- 2nd- You must call `binarySearch()` to get the
insert location for the new item
There will be no duplicates in the list.
`abs()` might be useful!
- 3rd - You will use `add` to insert the new item in
the proper location.

NOTICE

**You may NOT use `Arrays.sort()`
or `Collections.sort()` !**