

<https://github.com/danielgabor99/FLCD/tree/master/Lab2>

ST
integer(size) list<string> *(table)
insertValue() alreadyExists() insertelem() showST() ST()

My ST is represented by a hash table with chaining. The hash table is an array of linked lists, each index has its own linked list.

void insertItem(string value):

- Inserts a non existent element in the st
- Pre: the element to be inserted
- Post: the st with the inserted item

bool alreadyexists(string value):

- Boolean that returns if a element is present already in the st
- Pre: the element to be inserted
- Post: true or false

int hashFun(string value):

- The hash function that returns the index in st of the value
- Pre: the value
- Post: the index in the st

void showST():

- The print of the st
- Pre:
- Post: the st

```
0
1 --> ehll --> lleh
2 --> hello
3 --> ehl
4
5
6
7 --> a
```

