

Congratulations!

On the basis of this program, a dynamic data structure called a singly linked list, in which the data field is of the char type, that is, the character type. You can perform 3 basic operations in the program: add items to the list, remove items from the list and exit the program.

The data, which is A-Z and a-z symbols, will be stored in a permanent sorted form, hence the name of this repository.

The program is designed with exception handling, so that the user does not have to worry about undefined behavior.

I have attached a usage example below:

```
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? 1
Enter a character (A-Z either a-z): K
The list is:
K --> NULL
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? 1
Enter a character (A-Z either a-z): F
The list is:
F --> K --> NULL
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? 1
Enter a character (A-Z either a-z): A
The list is:
A --> F --> K --> NULL
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? _
```

Picture 1

```
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? 4
Invalid choice.

Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? 2
Enter a character to be deleted (A-Z either a-z): f
f not found.
A --> F --> K --> NULL
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? F
Invalid input. Please enter a number!

2
Enter a character to be deleted (A-Z either a-z): F
A --> K --> NULL
Enter your choice:
    1 to insert an element into the list.
    2 to delete an element from the list.
    3 to end.
? 3
Exiting program.
```

Picture 2

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