**SINGLY LL :**

Data structure is a way to store the data in a more efficient and organized way .

Data structures ia a language independent concept means we can implement data structures using any programming language.

It is mainly classified into two parts – 1) Linear DS

2) Non linear DS

In case of linear DS we access the data in a sequential manner.

In case of non linear DS we access the data in non linear form.

Linear DS is again classified into Array , Linked List , Stack , Queue.

Non linear DS is classified into Tree , Hashtable , Graphs .

Here I have uploaded a Singly Linked list code in C which makes use of pointers.

We have total 8 functions. Out of these 8 functions 6 will edit and update the LL . Other 2 functions will not make any changes in the LL . These functions are :

1. InsertAtFirst();
2. InsertAtLast();
3. InsertAtPos();
4. DeleteFirst();
5. DeleteLast();
6. DeleteAtPos();
7. Display();
8. Count();

Singly LL is a collection of 1 or N number of nodes . Each node consists of data and address of the next node .

For example :

70

Head

60 68

11 200 20200 11190

100

First

21 300 100 100

31 NL NLNUL NULN

70 108 100 112 200 212 300 312