

Pre-Requestics for Linked List :

Classes And Objects

Linked List is a User Defined Data Type

Some Application :

When we Use Login/Sign-Up from any account we write Name , Sex , DateOfBirth but some are Auto-generated like unique-id

So Here in the Login Page datas are not int , float , string it is in user defined Datatypes .



Sometime we called Array and Linked List are Same but It’s not

Some Advantage and Disadvantage of Linked List Over Array :

Advantage of Linked List :

* Linked List is Not Fixed Size
* Insert a Element is not big Problem

Disadvantage of Linked List :

* Random Access
* Extra Space with every element
* Cache is a challeng

Linked List Structure:

Linked List is a class With 2 Objects we Defined

In Object Oriented Programming we Use Class & Objects but in C language we don’t have class so we use struct similar like Class

Linked List Consists of :

* Head
* Data
* Next

At Start Of Linked List we assign Head as Null Not Zero (zero and null are totally Differents).

Then we have the Data (our Value)

Then Next (Pointer ) Memory Address of the Next Element

At Last we don’t have the Next Value then Our Next is Null

