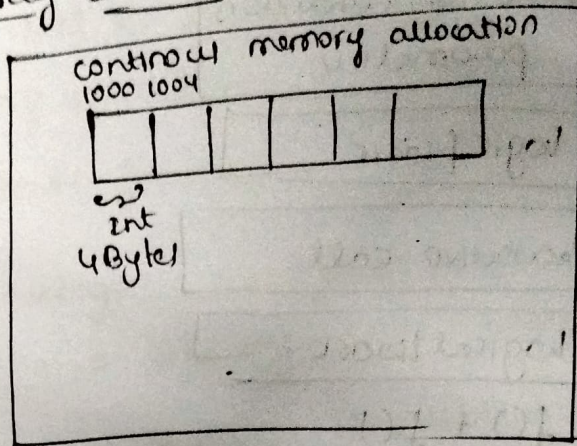


Linked List

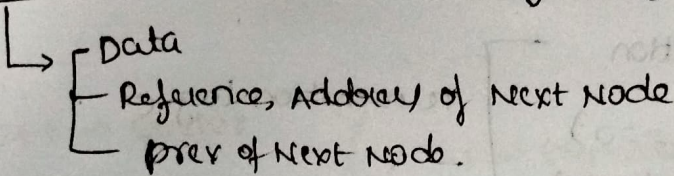
What is Linked List?

Array DrawbackLimitation

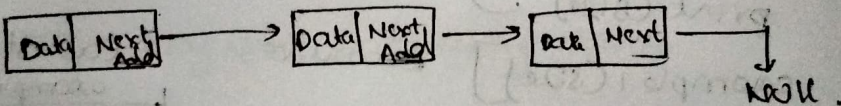
- \* Fixed size
- \* Memory waste
- \* To expand the array, need copy original data

\* In python, java the linked list are allocated in Heap by means of object.

Node: one element which memory is dynamically allocate.



Head  $\rightarrow$  Refers to first node in the list

Insert at Begin

If head == null

head = newnode.

else

New Node.next = head;

head = newnode;

Arraylist - have only Address List.

Advantage:

\* we can insert a new element anywhere in the list.

Disadvantage:

[ Extra memory usage to store Address, Node traversal.

class

