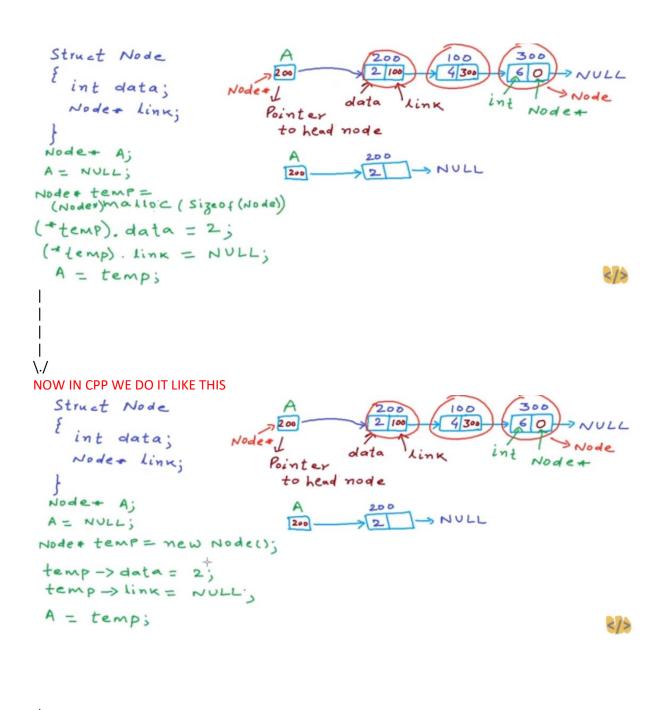
an Appellact data type (ADT) we only talk a	
	bow fratus loperation (natronatical logical)
s possible use of array	my code Schare: //
# Array and Linked	List 71
· Both Store data	of same type
horay	Linked 452
· Collection of elements of	· Ordered collection of element
similar data type	of same type, connected to each
Comments and should	other using pointers.
· Ecoments are stored in	· Stored anywhen in the mornory
Carrigacus memory Tocation	(address of new element is stored
	in me prev. node of linked list, home
m+ d = O(1) - constant time	forming a link of we the two rody
mutical l	0(n)
m damen A 200 1 2 3 4 5 2	227 -> 147 -> 187 -> Hull
base address = 200	read data Pinx
Address of A[i] = 200 + 4(i)	United States of the Control of the
Memory fixed Size	No unused memory
V000	- extra memory for pointer bulable
11 0 12 3 45 8 7	
used unwed	memory may available as
memory may not be available as the large	multiple small blocky
available as one large	
at beginning -O(1) 0	+ O(1)
Terminal .	foauersing whole
thing at end - O(1) is full,	array and then arend
to new all	
	USING STOCK
warrage)- with position - (n)	1 (1901
TRE ,	X
use V	
	बंदी बचाओं बंदी प्याओ

LINKED LIST BASIC(CREATING A LINK LIST):



ADDING ELEMENTS AT THE END:

```
Node + A; \( A = NULL; \)

Node + temp -> data = 2;

temp -> link = NULL;

A = temp;

Traversal

temp = new Node();

temp = new Node();

temp = new Node();

temp -> data = 4;

temp -> data = 4;

temp -> link = NULL;

Reversing a Linked list:

// Reverse a nexted list

#include(stdib.h)

#include(stdib.h)

#include(stdib.h)

*struct Node {

int data:
```

```
// Reverse a nexted list
#include<stdio.h>
#include<stdlib.h>
struct Node {
    int data;
    struct Node* next;
struct Node* Reverse(struct Node* head) {
    struct Node *current, *prev, *next;
    current = head;
    prev = NULL;
    while(current != NULL)
        next = current->next;
        current->next = prev;
        prev = current;
        current = next;
    head = prev;
    return head;
int main()
   struct Node* head =NULL; // local variable
   head = Insert(head,2); // Insert: struct Node* Insert(struct Node* head,int data)
   head = Insert(head,4);
   head = Insert(head,6);
   head = Insert(head, 8);
   Print(head);
   head = Reverse(head);
                                     T
   Print(head);
```