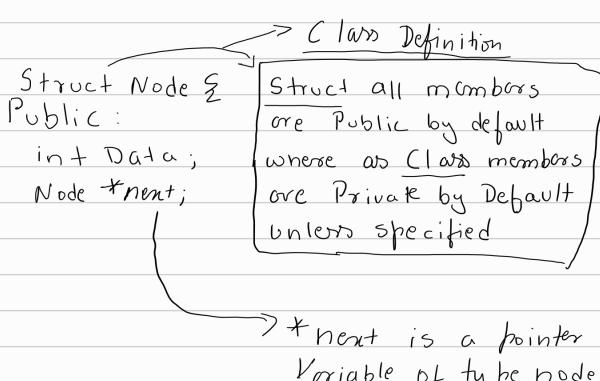
	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
a cheche puede	Linked Lists
o prosector section	and the second s
C	Basic struct, clars & pointer program
*	named node (now a data ype node is created)
	named node (now a dataype node is created)
	The state of the s
-	Containing 2 items i.e. int data with public - node * next access
47-2	-node *next access
	(next is a pointer of type node) Specifier
4.7	A series and the state of the series
_	now we create a constructor to assign
	vous for data & chent will be
	data= de l'ublic
-	hent = NULL Pto:
	as a legion original mental time in itself
1 4	main function
	or 7 = { 2, 5, 7, 9}
* ***	
	here we create a node using new key word
	for an element in the croay it creates a
18.	node in a soundon place in heap memory
100	

in # n.



Voriable of type node
i.e * next holds the
advers of the heat
Node & each node has
Data & next

Public:

Node Cint datal)

For

you

Data: datal; volu

nent = null ptr;

For the Defined class

you're busically assigning value

```
int main()

{

vector Lint7 or = {2,5,8,7};

Node * y = new Node (or r(o)); Assigning values

Node * y = new Node (or r[i]); - y is a pointer

Node * y = new Node (or r[i]); voriable of type node

Node * y = new node (or r[i]); which means
```

y, has data & next

- we create new Node

& pars the data which

gets cossigned in constructor

now ty, has the

address of the new

Node

y,= [data | Next)

= 0263d83

$$y_1 \rightarrow nent = y_2$$

Linking of nodes

 $y_2 \rightarrow nent = y_3$
 $y_3 \rightarrow nent = y_3$
 $y_1 = 2$

Data nent

 $y_2 = 5$

Data nent

 $y_2 = 5$

Data nent

 $y_2 = 5$

Node

 $y_3 \rightarrow nent = y_3$

Node

 $y_2 = 5$

Node

 $y_3 \rightarrow nent = y_3$

Node

(put << y, = Data << " " << y, = nent;) 2 adress bout << y2 => Data << " " << y2 => rent;) 5 of y3

<u>(3)</u>	Array to linked list
ar a la l	
and a second control of the second of the second	E here + next itself is a node type soit will
	have data & & nent.
5+2-	function to convert array to LL
-	function to convert array to LL
7	initiating assign nead node to the first ele of the
	orray Node Thead = new node (Or Lily
The state of the s	Les of the second of the secon
	keep a current pointer wed to link the modes
_	initially set to he ad (so wrient now now headnode) i torak through the orray from a[1] = N
record to the second	
	for each element you create a new node
	& store that in a temp pointer.
	now to store this templic adversof new node
	in previous nodes nont)
-	we was access worrent nodes next & store
	tempinit.
	[wrrent -> nent = temp]
	so after linking we move the corrent ahead
	repeat for all velements of orr.

S+3- traversal through the created linked list - we get the head node given pains head the moment pointer to initially point at Chot I imamis's how we create a write loop till the worrent points his Palatic Chartery and Eits next. then update current to move to next hode Le create temp node get the corrente nodes next & store that in temp properties and and L> & now corrent = temp. Mode * temp temp = wovent > next; wront = temp; (3 Hulei grad -Or 1- prisones and fi 4> directly update writerst or work.

Current= wrient > next; (Jui) noud kiny = 1 Mil tree stants in bright of more month and interest elevent

	The state of the s	N N
		1
3	Inscrtion at head	To J
	adgrave	一画 ス
_	inst create a newhode	76.5 77.5
	live haint the newbodes heat to head	
	return new node.	ion_
- W	and the second of the second o	
(9)	Invertion at tail	
	Edge carenter of the property of the state o	
	if list is empty the just create new node	اق
	2 rehrn	44
and the second of the	Else	100
	create hew node	
	Set last nodes next to heranode	in .
or year or the second	& newnodes heat to hull.	
	and the second of the second o	
(19)	Insertion at k+n position	T.
	Edge case	
- - -	il given posi is <1 then return nou.	
-	if given posi is <1 then return holl. if given pos = 1 then insert at head.	
	The same of the same was the same of the s	
	in the second the seco	
1 - T AI	just stort wonting the nodes while tracking warrent node & previous node	
	wroent node & previous node	
	once the count matches the given position	
	then	
- Maria	Inen	
-1.00		
	set new nodes nent to wrrent or prev = nent	
		mentaphen and the Christian Commission of the Section Section Commission of the Section Sec

then previous mont to new node. Edge case

if at lost be position is lost place inc insertion of

tail insert vouse økbefore Kvolue Some as previous one Edge Carl if X is first node value or heads value then insert node before head. - & in while loop just check if volue = wrrentdata. (12) Array to DLL create head node traverse through the array from 1 to h. & initially wrient is initialized to head node as & when we create new hodes we initialize worch's I nent to newnode & new hodes preu as wront & then mave the wront ahead. 3 finally return to head.