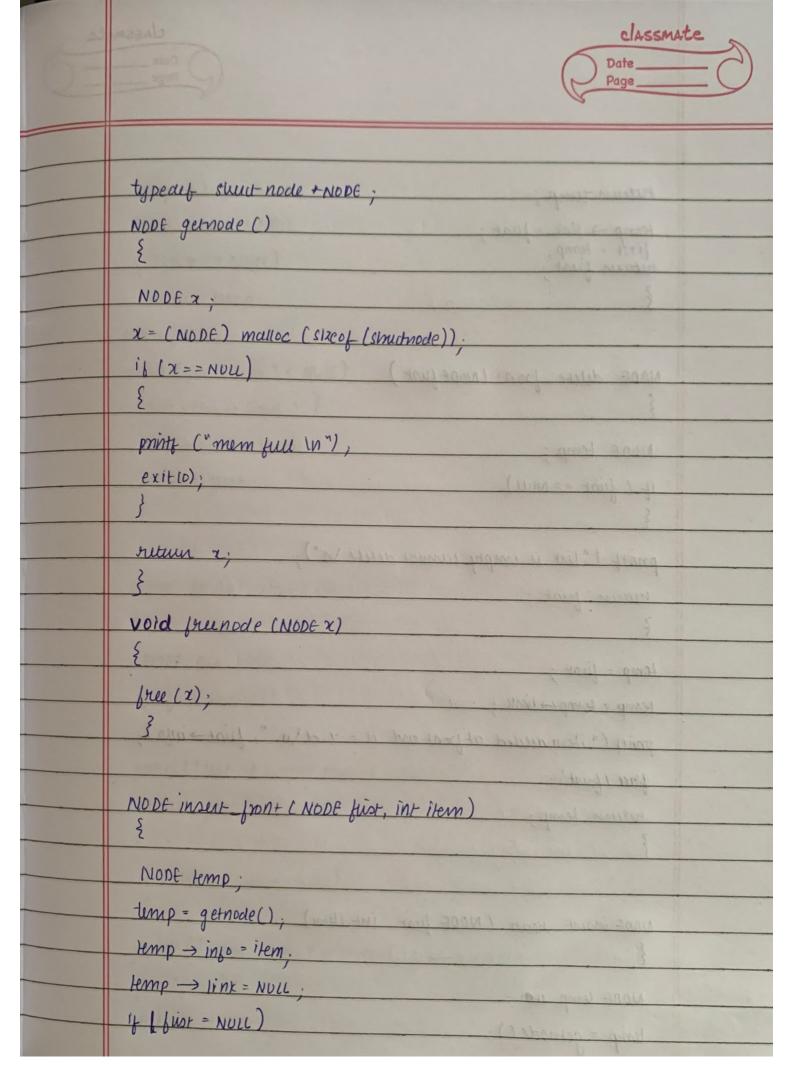
	CONSTRUCTOR OR CONSTRUCTOR
18/11/2020	mate ("last 2: Padinicia")
LP#5	WAP to implement singly linked list with following operations
	a) aute a linked liot b) Insution of a node at first position, and at end
	of list c) display the contents of the linked list d) deletion of first element
	and at last element in the list.
	courts ("In easter the energy of
	# include Ls+dio·n)
	# include <stalib-h></stalib-h>
	Struct node {
	int injo;
	struct node flink;
	?;



```
Page
return time;
temp > link = fust;
first = temp;
rutur just;
NODE delive-front (NODE just)
                                   (" my seem held to ")
NODE bemp;
(f ( fuor == NULL)
printf ("list is empty comnot delete \n");
seltun gist;
                                  void the gode (More X)
temp = just;
Hemp = temp -> link .
print (" item deleted at front end ie = y.d \n ", first > into);
free (frist);
 return temp; (made and and and and and and and and
NODE insur- rear (NODE flist, int- item)
 None temp, un;
 temp = getnode ();
```

```
classmate
temp -> into = Hem;
temp - Link = NULL;
if (fir== NULL)
 settles temp;
cur = fust;
while (cun > (ink | = NULL)
{cur = cus > ink; }
 aur > cink = temp;
 return frot; his that is how now in boldin math to show
NODE dule - rean ( NODE just )
 NODE au, prev;
 if (first == ALULL)
pnntf-l" ust is empty counnot delete \n"),
rollin fist;
 if ( first -> link == NOW)
printf ("item deleted ie y.din?, first->info);
free (frist);
 return NULL;
```

```
Pren = NULL.
cun = fust;
while can - link! = NULL)
prev = cur;
cue = cu - link;
printy [" item deleted at near end is y-d", un - info),
free (cus);
prev -> link = NULL;
rether fist;
void display (NODE just)
NODE temp;
if (first = = NULL)
printf (" list empty cannot display items \n").
for (temp=just; temp = NULL; temp = temp -> link)
printf ("Y.d\n", temp -> info);
```

```
mt main () {
int item, choice;
NODE fust = NULL;
print (" In 1: Insert front In 2: Delete front In 3: Insert rear In 4: Delete
rear \n 5: display ust \n 6: Exit\n 1).
print ("In enter the choice In");
scamp [" y.d", schoice);
switch (choice)
case 1: printf ("enter the tem at front-end (n");
        scanf ("1.d.", sitem);
        first = user- pon+ ( first, item);
        break.
case 2: first = delete front (furt);
         break:
case 3: Dnnity ("enter the item at hear -end in");
         scamp ( " 1.d", sitem);
         fust = insert rear (just, item);
         break;
case 4: just = duete year (just);
     break;
 case 5: display ( fist ); break;
```

