

	1202/1/20
	WEEK-4
=)_	Deletion from a linked list.
	#include <stdio.h></stdio.h>
	#include <stdlib.h></stdlib.h>
	void pap();
	void and - delete ();
	void delete-at-pos();
	void display ();
	Void append ();
	struct node
	S A A A A A A A A A A A A A A A A A A A
	int data;
	struct node * next;
	3;
	struct node *head = NULL
	void main()
-	
	printf ("Insert the elements in list '\n");
	append ();
	printf ("1. Delete from beginning \n 2. Delete
	printf ("1. Delete from beginning \n 2. Delete at end \n 3. Delete at particular position
	In 4. Diplay In S. Exit In");
	int ch;
	while (ch!=5)
	[
	printf ("Enter choice:");
	scant ("%d", (ch))
	switch (ch)
	S
44.2	1-3/n-2 15 10P
	TOTALO NE COM

pop() end-delete(); break; delete - at - por (); break; display (); break; default: print + (" Invalid choice "). break: Void append() printf ("Enter no. of nodes:"); scanf (" %d", fn); for (int i=0; i<n; i++) struct nede + last = head; struct pade \* new node; new-nede = (struct node +) malloc (Sizeof (struct node)); printf ("Finter the data !"); Scant (" 1.d", & new node -> data)

	new node ->: next = NULL;
	if (head == NULL)
	head = new-node;
	else
	} while (last -> next! = NULL)
8	last > last -> next;
	last -> next = new-node;
	}
	}
	9
	void pep ()
	S
	struct node * ptr;
	it (head == NULL)
	else printf("List is empty \n");
	\$
	ptr=head;
	head = ptr -> next;
	free (ptr);
	printf("Node deleted from beginning \n");
	3
	7
	void and deletel)
	S SIGNATURE SIGN
	struct node * ptr;
	struct node pro-
_	if (head == NOLL)
_	TO CHEAT - NOLL)
	printf("List is empty \n");

```
the if ( head -> next == NULL)
       { free (head);
       head = NULL;
       else .
       ptr = head;
          pty1 = head;
          while (ptr -> next != NULL)
          S ptr1 = ptx;
          ptr = ptr -> next;
          ptx1 -> next = NULL;
          free (ptr);
        print+ (" Node deleted from end 1"),
void delete - at - pos ()
  Struct node *ptr;
 struct node *ptr1;
  printf ("Enter the position of deletion: \n"),
  Scant (" "/ad", & pos);
   for (int i=0; i<po1-1; i+1)
 { il (ptr == NULL) { printf ("There are less elements \n"):
     return;}
  pty1=pty;
    ptr : ptr -> next;
```

ptr1 -> next = pto -> next;
free (ptr);
print f (" Node deleted from position \n");
4
11.12 1 6- 2 1- 6-
void display ()
S Total and the sales and the sales are
struct node *p=head;
printf (" List ; \n"):
while (p! = NULL)
Notes of the state
printf(" "/od -> ",p -> data);
2
18/124 p=p=next:
1 1 ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
printf("NULL \n");
J
A (
OUTPUT :-
Enter no. of nodes: 5
Enter the choice data: 1
Enter the data: 2
Enter the data: 3
Enter the data: 4
Enter the data 15
1. Delete from begining
2. Delete at end
3. Delete at particular perition
4. Display
5. Exit
Enter choice: I
Node deleted from beginning

	3
	1
	Enter choice: 2
	Node deleted from end Enter chaire: 4
	List:
-	2 -> 3 -> 4 -> NULL
-	Enter choice: \$ 3
	Enter the position of deletion:
	3 Visite a manual 1
	Node deleted from position 3.  Enter choice: 4
	Enter choice: 4
	list:
· <u>·</u>	2-> 3-> NULL
	Enter choice: 5
+	Exited.
Ki .	A CONTRACTOR
1	
-	
-  -	
1	
3	
51	
7	Add to the
1	The state of the s
-	
n	The state of the s
District Control	20 10 100
	the other to be
-	
1	the state of the second of the second
3.7	