#include<stdio.h>

#include<conio.h>

#include<alloc.h>

struct node

{

int info;

struct node \*next;

};

typedef struct node node;

node\* create();

void display(node\*);

void main()

{

int choice;

node \*head;

head=NULL;

while(1)

{

clrscr();

printf("\n\n\t\tThis is the program of LINEAR LINKED LIST.");

printf("\n\n\n\n\t\tWhich operation you want to perform --");

printf(“\n\t\t 1. Create the list.”)

printf("\n\t\t 2. Display the list OR");

printf("\n\t\t 3. Want to exit from the program.");

printf("\n\n\n\n\t\t Enter your choice = ");

scanf("%d",&choice);

switch(choice)

{

case 1: head = create();

continue;

case 2:display(head);

continue;

case 3:printf("\n\n\t\*\*successfully terminated from the program.\*\*");

getch();

exit(0);

default:printf("\n\n\t\tYou entered a invalid choice!!!");

printf("\n\n\t\tPress any key to choose again.......");

getch();

}

}

}

node \* create()

{

node \*p, \*temp,\*head;

head = (node\*)malloc(sizeof(node));

head->next=NULL;

printf(“\n\n\t Enter data to insert or -999 to stop”);

scanf(“%d”, &head->info);

p=head;

while(p->info!= -999)

{

temp=(node\*)malloc(sizeof(node));

temp->next=NULL;

scanf(“%d”,temp->info);

p->next=temp;

p=temp;

}

return(head);

}

void display(node \*head)

{

node \*tmp;

tmp=head;

clrscr();

if(head==NULL)

{

printf("\n\n\t\tThere is no element in the linked list.");

printf("\n\n\t\tPlease inseart some elements first then try again.");

}

else

{

printf("\n\n\t\tYour list is as follows --\n");

while(tmp!=NULL)

{

printf("\n\t\t%d",tmp->info);

tmp=tmp->next;

}

}

getch();

}

