**Doubly circular linked list and various operations.**

#include <iostream>

#include<string>

using namespace std;

typedef struct linked{

int data;

linked \*next,\*prev;

};

linked\* create(linked \*h){

int cnt;

cout<<endl<<"Enter number of nodes:";

cin>>cnt;

linked \*head=h,\*p,\*q;

int a;

head=new linked;

cout<<endl<<"Enter data:";

cin>>a;

head->data=a;

head->next=head;

head->prev=head;

p=q=head;

for(int i=1;i<cnt;i++){

q->next=new linked;

q=q->next;

cout<<endl<<"Enter data:";

cin>>a;

q->data=a;

p->next=q;

q->prev=p;

q->next=head;

head->prev=q;

p=q;

}

return head;

}

void display(linked \*h){

linked \*p=h;

cout<<endl<<"Linked list elements:";

do{

cout<<p->data<<"\t";

p=p->next;

}while(p!=h);

}

int main()

{

linked \*head;

int ch;

do{

cout<<endl<<"\*\*\*\*\*DOUBLY LINKED LIST OPERATIONS\*\*\*\*\*\*";

cout<<endl<<"1.Create list...\n2.Display list...\n3.Exit..";

cout<<endl<<"Enter your choice:";

cin>>ch;

switch(ch){

case 1:

head=create(head);

break;

case 2:

display(head);

break;

case 3:

break;

default:

cout<<endl<<"Wrong choice entered....";

}

}while(ch!=3);

return 0;

}