**STL queue implementation using list.**

#include <iostream>

#include<list>

using namespace std;

class stacks{

list<int> l;

public:

void push(){

int data;

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

cin>>data;

l.push\_back(data);

}

void pop(){

cout<<"Element deleted successfully:"<<l.front();

l.pop\_front();

}

void fronts(){

cout<<endl<<"Front element:"<<l.front();

}

void ends(){

cout<<"Rear element:"<<endl<<l.back();

}

void display(){

cout<<endl<<"Queue elements:";

list<int>::iterator it;

for(it=l.begin();it!=l.end();it++){

cout<<\*it<<"\t";

}

}

};

int main()

{

stacks q1;

int ch;

do{

cout<<endl<<"1.Push...\n2.pop...\n3.Display front...\n4.Display rear...\n5.display....";

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

cin>>ch;

switch(ch){

case 1:

q1.push();

break;

case 2:

q1.pop();

break;

case 3:

q1.fronts();

break;

case 4:

q1.ends();

break;

case 5:

q1.display();

break;

}

}while(ch!=6);

return 0;

}