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//Standard Library stack adapter class {can be implemented as vector, deque, list}
#include<iostream>
#include<conio.h>
#include<vector>
#include<list>
#include<deque>
#include<stack>
using namespace std;
template<class T> void pushelement(T & s);  //pushelement() function prototype
template<class T> void popelement(T & s); //popelement() function prototype
int main()
{
      stack <int> dequestack; // stack with default underlying deque
      stack <int, vector<int> > vectorstack;  //stack with underlying int vector
      stack <int, list<int> > liststack; //stack with underlying int list
      //push 10 elements on each of these stacks (i.e.
dequestack, vectorstack, liststack)
      cout<<"\n\npushing elements onto dequestack : ";</pre>
      pushelement(dequestack);
      cout<<"\n\npushing elements onto vectorstack : ";</pre>
      pushelement(vectorstack);
      cout<<"\n\npushing elements onto liststack : ";</pre>
      pushelement(liststack);
      cout<<"\n\n-----";
      cout<<"\n\npopping element from deguestack : ";</pre>
      popelement(dequestack);
      cout<<"\n\npopping element from vectorstack : ";</pre>
      popelement(vectorstack);
      cout<<"\n\npopping element from liststack : ";</pre>
      popelement(liststack);
      getch();
      return 0;
//Function definition for pushelement()
template<class T>
void pushelement(T & s)
{
      for(int i=0;i<10;i++)</pre>
      {
            s.push(i);
           cout<<s.top()<<" ";
      }
//Function definition for popelement()
template<class T>
void popelement(T & s)
{
      while(!s.empty())
            cout<<s.top()<<" ";
            s.pop();
      }
```

}			