#include<iostream>

using namespace std;

void push(int arr[],int\* top)

{

cout<<"\nenter element you want to push : ";

int x;

cin>>x;

arr[\*top] = x;

}

int main()

{

int max\_size;

cout<<"Enter max elements in stack : ";

cin>>max\_size;

int arr[max\_size];

int top = -1;

int x = 1;

int count = 0;

while(x != 0)

{

cout<<"\nFor push = 1\_\_\_pop = -1\_\_\_End = 0 : ";

cin>>x;

if(x == 1)

{

if(top == max\_size)

cout<<"\n Error : Stack Overflow ";

else

{

top++;

push(arr, &top);

count++;

}

}

else if (x == -1)

{

if(top == -1)

cout<<"\n Error : Stack Empty";

else

{

top--;

count--;

cout<<"\nOne element poped";

}

}

else break;

}

cout<<"\nYour stack is";

for(int i=0;i<count;i++)

{

cout<<"\n"<<arr[i]<<" ";

}

}