#include<stdio.h>

#include<stdlib.h>

#define max 5

int stack[max];

int top=-1;

void push(int);

int pop();

int top();

void display();

int main()

{

int ch,ele;

do

{

Printf(“1.Push\n2.Pop\n3.Top\n4.Display\n enter your choice\n”);

Scanf(“%d”,&ch);

Switch(ch)

{

Case 1:

Printf(“enter element”);

Scanf(“%d”,ele);

push(ele);

break;

Case 2:

Printf(“the popped element %d”,pop());

Break;

Case 3:

Printf(“Top element %d”,top());

Break;

Case 4:

Display();

Break;

}

}while(ch<=4);

Void push(int ele)

{

if (top>max-1)

printf(“Stack is full”);

top=top+1;

stack[top]=ele;

}

int pop()

{

X=Stack[top];

top=top-1;

return X;

}

int top()

{

return stack[top];

}

void display()

{

printf(“Elements:”);

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

printf(“%d”,stack[i]);

}