#include<stdio.h>

#include<stdlib.h>

#include<conio.h>

void push();

void pop();

void topelement();

void print();

int a[20],top=-1,d,i,j,s;

void main()

{

int ch,g=1;

do

{

printf(“Main Menu \n”);

printf(“1.Push \n”);

printf(“2. Pop \n);

printf(“3. Top Element \n);

printf(“4. Print \n”);

printf(“5. Exit \n”);

printf(“Enter choice : “);

scanf(“%d”,&ch);

switch(ch)

{

case 1:push();

break;

case 2:pop();

break;

case 3:topelement();

break;

case 4:print();

break;

case 5:exit();

break;

default:printf(“Invalid Choice. \n”);

break;

}

printf(“Do you want to continue? Enter 1 to continue: “);

scanf(“%d”,&g);

}while(g==1);

getch();

}

void push()

{

int n1=n ;

printf(“Enter the number of elements: “);

scanf(“%d”,&n);

while(n1>0)

{

++top;

printf(“Enter elements \n”);

scanf(“%d”,&a[top]);

n1--;

}}

void pop()

{

printf(“The Popped Element is : %d”,a[top]);

top--;

}

void topelement()

{

printf(“The Top Element is: %d”,a[top]);

}

void print()

{

s=n;int top1=top;

printf(“The Stack Elements are: \n“);

while(s>-1)

{

printf(a[top1--]);

s--;

}}