/\*stack push pop display\*/

#include<stdio.h>

#include<stdlib.h>

#include<process.h>

#define MAX 10

int top=-1,stack[MAX];

void push();

void pop();

void display();

int main()

{

int ch;

while(1)

{

printf("press 1 for push\n");

printf("press 2 for pop\n");

printf("press 3 for display\n");

printf("press 4 for exit\n");

printf("enter your choice\n");

scanf("%d",&ch);

switch(ch)

{

case 1:push();

break;

case 2:pop();

break;

case 3:display();

break;

case 4:exit(0);

default:

printf("invalid choice\n");

}

}

}

void push()

{

int value;

if(top==MAX-1)

{

printf("stack is full\n");

}

else

{

printf("enter the value\n");

scanf("%d",&value);

top++;

stack[top]=value;

}

}

void pop()

{

int x;

if(top==-1)

{

printf("stack is empty\n");

}

else

{

x=stack[top];

printf("deleted value is %d",x);

top--;

}

}

void display()

{

if(top==-1)

{

printf("stack is empty\n");

}

else

{

for(int i=top;i>=0;i--)

{

printf("%d\n",stack[i]);

}

}

}

