#include<stdio.h>

#include<stdlib.h>

void push1(int x);

void push2(int x);

int pop1();

int pop2();

void enQ();

void deQ();

void display();

int s1[50],s2[50],top1=-1,top2=-1;

void main()

{

int ch;

for( ; ; )

{

printf("menu");

printf("1.enQ\n 2.deQ\n 3.display\n4.exit\n");

printf("enter your choice");

scanf("%d",&ch);

switch(ch)

{

case 1:enQ();break;

case 2:deQ();break;

case 3:display();break;

case 4:exit(0);break;

default:printf("wrong choice");

}

}

}

void enQ()

{

int x,temp;

printf("enter element to enQ");

scanf("%d",&x);

while(top1!=-1)

{

temp=pop1();

push1(temp);

}

push1(x);

while(top2!=-1)

{

temp=pop2();

push2(temp);

}

}

void deQ()

{

int temp;

temp=pop1();

printf("deleted element is %d",temp);

}

void push1(int x)

{

s1[++top1]=x;

}

void push2(int x)

{

s2[++top2]=x;

}

int pop1()

{

return(s1[top1--]);

}

int pop2()

{

return(s2[top2--]);

}

void display()

{

int i;

for(i=0;i<=top1;i++)

{

printf("%d ",s1[i]);

}

}