#include<stdio.h>

#include<conio.h>

int stack([100],choice,n,top,x,i;

void push(void);

void pop(void);

void display(void);

int main()

clrscr();

top=-1;

printf(“enter the size of the stack\n”);

scanf(“%d”,&n);

printf(“\n1.push\n2.pop\n3.display\n4.exit”);

printf(“enter the choice”);

scanf(“%d”,&choice);

switch(choice)

{

case 1:

{

push();

break;

}

case 2:

{

pop();

break;

}

case 3:

{

display();

break;

}

case 4:

{

printf(“exit”);

break;

}

default:

{

printf(“invalid choice”);

}

}

getch();

}

void push()

{

If(top>=n-1);

{

printf(“stack is full”);

}

else

{

printf(“enter the value to be pushed “);

scanf(“%d”,&x);

top++;

stack[top]=x;

printf(“%d”,stack[i]);

}

}

void pop()

{

If(top==-1)

{

printf(“stack is empty”);

}

else

{

printf(“enter the value to be deleted %d”,stack[top]);

top--;

}

}

void display()

if(top>=0)

{

printf(“\nelements in stack”);

}

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

{

Printf(“\n%d”,stack[i]);

}

}