```c
1    #include<stdio.h>
2    #include<stdlib.h>
3    int top=-1,y,c,n,t=1,i;
4    int stack[0];
5    void push(int x){
6        if(top==n-1){
7            printf("Stack is overflow");
8            return;}
9        else
10           stack[++top]=x;
11   }
12   int pop(){
13       if (top==-1)
14           puts("stack is underflow");
15       else
16           return stack[top--];
17   }
18   void main(){
19   system("clear");
20       puts("Enter the size : ");
21       scanf("%d",&n);
22       stack[n];
23   while(t){
24       printf("Position of stack is %d",top);
25       puts("Enter the operation\n1.PUSH\n2.POP\n3.DISPLAY");
26       scanf("%d",&y);
27       switch(y) {
28        case 1:puts("Enter the element to stack : ");
29               scanf("%d",&c);
30               push(c);
31               break;
32        case 2:printf("poped %d",pop());break;
33        case 3:if(top==-1) { puts("Empty stack"); }
34               else{
35               for(i=0;i<top+1;i++){
36                   printf("%d , ",stack[i]);
37               }
38               }break;
39        default:puts("WRONG INPUT");break;
40       }
41       puts("\n\nDo u wnt to cntinue:[0-stop][1-cntinue]");
42       scanf("%d",&t);
43   }
44   }
```