

Untitled2.c - Code::Blocks 20.03

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<global> display(): void

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```
Start here x Untitled2.c x *Untitled3 x
1 #include<stdio.h>
2 #define size 3
3 int a[size],top=-1;
4 void pop();
5 void push(int value);
6 void display();
7 void main()
8 {
9     int n,value;
10    while(1)
11    {
12        printf("\n\n MENU \n\n");
13        printf("1.PUSH\n2.POP\n3.DISPLAY\n4.EXIT");
14        printf("\nEnter YOUR CHOICE ");
15        scanf("%d",&n);
16        switch(n)
17        {
18            case 1:
19                printf("\nEnter the value to be inserted \n");
20                scanf("%d",&value);
21                push(value);
22                break;
23            case 2:
24                pop();
25                break;
26            case 3:
27                display();
28                break;
29            case 4:
30                printf("\nterminated\n\n");
31                exit(0);
32            default:
33                printf("\nINVALID INPUT\n\n");

```

Logs & others

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C:\Users\Admin\Desktop\1BM24CS164\Untitled2.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 71, Col 2, Pos 1208 Insert Read/Write default

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<global> display(): void

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```
34     break;
35
36 }
37 }
38 void push(int value)
39 {
40     if(top==size-1)
41         printf("\n\nOVERFLOW STACK\n\n");
42     else
43     {
44         top++;
45         a[top]=value;
46         printf("\nValue pushed \n");
47     }
48 }
49 void pop()
50 {
51     if(top== -1)
52         printf("\n\nUNDERFLOW STACK\n\n");
53     else
54     {
55         printf("\ndeleted element is %d\n",a[top]);
56         top--;
57     }
58 }
59 void display()
60 {
61     if(top== -1)
62         printf("\n\nEMPTY STACK\n\n");
63     else
64     {
65         printf("\nSTACK ELEMENTS: \nTOP TO BOTTOM\n");
66         for(int i=top;i>=0;i--)

```

Logs & others

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43     {
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54     {
55         printf("\ndeleted element is %d\n",a[top]);
56         top--;
57     }
58 }
59 void display()
60 {
61     if(top==-1)
62         printf("\n\nEMPTY STACK\n\n");
63     else
64     {
65         printf("\nSTACK ELEMENTS: \nTOP TO BOTTOM\n");
66         for(int i=top;i>=0;i--)
67         {
68             printf("%d\n",a[i]);
69         }
70     }
71 }
```

Logs & others

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C:\Users\Admin\Desktop\1BM24CS164\Untitled2.exe

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT  
ENTER YOUR CHOICE 2

UNDERFLOW STACK

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT  
ENTER YOUR CHOICE 3

EMPTY STACK

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT  
ENTER YOUR CHOICE 1

Enter the value to be instered  
30

Value pushed

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT  
ENTER YOUR CHOICE 1

Enter the value to be instered  
20

Value pushed

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT  
ENTER YOUR CHOICE 1

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C:\Users\Admin\Desktop\1BM24CS164\Untitled2.exe

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT

ENTER YOUR CHOICE 1

Enter the value to be instered  
10

Value pushed

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT

ENTER YOUR CHOICE 3

STACK ELEMENTS:  
TOP TO BOTTOM

10  
20  
30

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT

ENTER YOUR CHOICE 1

Enter the value to be instered  
0

OVERFLOW STACK

MENU

1.PUSH  
2.POP  
3.DISPLAY  
4.EXIT

ENTER YOUR CHOICE

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