

C:\Users\asus\Desktop\oop.c - Dev-C++ 5.11

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(globals) TDM-GCC 4.9.2 64-bit Release

oop.c

```
1 #include<stdio.h>
2 #include<process.h>
3 #include<conio.h>
4 #define STACK_SIZE 5
5 int j = -1;
6 int n;
7 void push (int n, int s[], int *j)
8 {
9     if (*j == STACK_SIZE - 1)
10     {
11         printf("stack over flow\n");
12         return;
13     }
14     *j = *j + 1;
15     s[*j] = n;
16 }
17 int pop (int s[], int *j)
18 {
19     int item_deleted;
20     if (*j == -1) {
21         printf("stack underflow\n");
22         return 0;
23     }
24     item_deleted = s[*j];
25     *j = *j - 1;
26     return item_deleted;
27 }
28 void display (int j, int s[])
29 {
30     int i;
31     if (j == -1)
32     {
33         printf("stack is empty\n");
34         return;
35     }
36     printf("contents of the stack\n");
37     for (i = 0; i <= j; i++)
38 }
```

Compiler Resources Compile Log Debug Find Results

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oop.c

```
28 void display (int j, int s[])
29 {
30     int i;
31     if (j == -1)
32     {
33         printf("stack is empty\n");
34         return;
35     }
36
37     printf("contents of the stack\n");
38     for (i = 0; i <= j; i++)
39     {
40         printf("%d\n", s[i]);
41     }
42 }
43
44
45 void main()
46 {
47     int n, s[10];
48     int z;
49     for (;;)
50     {
51         int item_deleted;
52         printf("\n1 : push\n2 : pop\n3 : display\n4 : exit\n");
53         printf("enter the choice\n");
54         scanf("%d", &z);
55         switch(z)
56         {
57             case 1:
58                 printf("enter the item to be inserted\n");
59                 scanf("%d", &n);
60                 push(n, s, &j);
61                 break;
62             case 2:
63                 item_deleted = pop(s, &j);
64                 if (item_deleted != 0)
65                     printf("item deleted is %d\n", item_deleted);
```

oop.c

```
41 }
42 }
43
44
45 void main()
46 {
47     int n, s[10];
48     int z;
49     for(;;)
50     {
51         int item_deleted;
52         printf("\n1 : push\n2 : pop\n3 : display\n4 : exit\n");
53         printf("enter the choice\n");
54         scanf("%d", &z);
55         switch(z)
56         {
57             case 1:
58                 printf("enter the item to be inserted\n");
59                 scanf("%d", &n);
60                 push(n, s, &j);
61                 break;
62             case 2:
63                 item_deleted = pop(s, &j);
64                 if(item_deleted != 0)
65                     printf("item deleted is %d\n", item_deleted);
66                 break;
67             case 3:
68                 display(j, s);
69                 break;
70             default:
71                 exit(0);
72         }
73     }
74 }
75
76 }
77
```

C:\Users\asus\Desktop\oop.c - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

oop.c

```
41 {
42 }
43 1
44
45 void
46 {
47     1 : push
48     2 : pop
49     3 : display
50     4 : exit
51     enter the choice
52     1
53     enter the item to be inserted
54     1
55     stack over flow
56
57     1 : push
58     2 : pop
59     3 : display
60     4 : exit
61     enter the choice
62     1
63     enter the item to be inserted
64     1
65     stack over flow
66
67     1 : push
68     2 : pop
69     3 : display
70     4 : exit
71     enter the choice
```

C:\Users\asus\Desktop\oop.exe

1
enter the item to be inserted
1
1 : push
2 : pop
3 : display
4 : exit
enter the choice
1
enter the item to be inserted
1
stack over flow
1 : push
2 : pop
3 : display
4 : exit
enter the choice
1
enter the item to be inserted
1
stack over flow
1 : push
2 : pop
3 : display
4 : exit
enter the choice

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\asus\Desktop\oop.exe
- Output Size: 129.8583984375 KiB
- Compilation Time: 0.67s

Shorten compiler paths

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