

KrySengHortQueuePractice.cpp

KrySengHortStackPractice.cpp X

Year 02 > Data Structure & Programming > C++ > Course > Chapter 10 Queue and Stacks > KrySengHortStackPractice.cpp > ...

```
1  #include<iostream>
2  using namespace std;
3  struct element{
4      int data;
5      element *next;
6  };
7  struct stack{
8      int n;
9      element *top;
10 };
11 stack *createEmptyStack(){
12     stack *s;
13     s = new stack;
14     s->n=0;
15     s->top=NULL;
16     return s;
17 }
18 void push(stack *s, int newData){
19     element *e;
20     e = new element;
21     e ->data=newData;
22     if(s->n==0){
23         e->next = NULL;
24         s->top = e;
25         s->n = s->n+1;
26     }
27 }
```

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Year 02 > Data Structure & Programming > C++ > Course > Chapter 10 Queue and Stacks > KrySengHortStackPractice.cpp > push(stack *, int)

```
28 void pop(stack *s){
29     if(s->n==0){
30         cout<<"Can not delete ! Stack is empty"<<endl;
31     }
32     else{
33         element *t;
34         t = s->top;
35         s->top = s->top->next;
36         cout<<"\tDeleted: "<<t->data<<endl;
37         delete t;
38         s->n = s->n-1;
39     }
40 }
41 void displayStack(stack *s){
42     element *e;
43     e = s->top;
44     while(e!=NULL){
45         cout<<e->data<<" ";
46         e = e->next;
47     }
48     cout<<endl;
49 }
50 int main(){
51     stack *s1;
52     s1 = createEmptyStack();
53     push(s1,7);
54     push(s1,9);
```

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Windows PowerShell

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Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

```
PS D:\Year 02> cd "d:\Year 02\Data Structure & Programming\C++\Course\Chapter 10 Queue and Stacks\" ; if ($?) { g++ KrySengHortStackPractice.cpp -o KrySengHortStackPractice } ; if ($?) { .\KrySengHortStackPractice }  
7
```

Deleted: 7

Can not delete ! Stack is empty

```
PS D:\Year 02\Data Structure & Programming\C++\Course\Chapter 10 Queue and Stacks>
```