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**NPTEL** (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in C++ (course)**

 Announcements (announcements)   **About the Course (preview)**   Ask a Question (forum)

Progress (student/home)   Mentor (student/mentor)

## Course outline

### How does an NPTEL online course work?

#### Week 0

#### Week 1

- Module 1 : Recap of C (Lecture 01) (unit? unit=17&lesson=18)
- Module 1 : Recap of C (Lecture 02) (unit? unit=17&lesson=19)
- Module 1 : Recap of C (Lecture 03) (unit? unit=17&lesson=20)
- Module 2 : Programs with IO and Loop (Lecture 04) (unit? unit=17&lesson=21)
- Module 3 : Arrays and Strings (Lecture 05)

## W1\_Programming-Qs1

**Due on 2020-10-01, 23:59 IST**

Consider the following code snippet. Fill in the blank at **LINE-1** to create a stack and at **LINE-2** to fill the stack with the value of array `str`. Look into the test cases to validate the outputs.

### Private Test cases used for evaluation

Test Case 1

Input	Expected Output	Actual Output	Status
Assignment	tnemngis	tnemngis	Passed

The due date for submitting this assignment has passed.  
 1 out of 1 tests passed.  
 You scored 100.0/100.

### Assignment submitted on 2020-09-28, 19:34 IST

Your last recorded submission was :

```

1 #include <iostream>
2 #include <cstring>
3 #include <stack>
4 using namespace std;
5
6 int main() {
7
8     char str[19] = "Programming";
9
10    cin >> str;
11    stack<char> s;    // LINE-1
12
13    for (int i = 0; i < strlen(str); i++)
14
15        s.push(str[i]);    // LINE-2
16
17    for (int i = 0; i < strlen(str) - 1; i++) {
18        cout << s.top();
19        s.pop();
20    }

```

```
(unit?  
unit=17&lesson=22) 21  
22 } return 0;  
23 }
```

● Module 4 :

Sorting and  
Searching

(Lecture 06)

(unit?

unit=17&lesson=23)

● Module 5 : Stack

and Its

Applications

(Lecture 07)

(unit?

unit=17&lesson=24)

● Lecture Materials

(unit?

unit=17&lesson=25)

● Quiz :

Assignment 1

(assessment?

name=123)

● W1\_Programming-

Qs1

(/noc20\_cs57/progassignment?

name=126)

● W1\_Programming-

Qs2

(/noc20\_cs57/progassignment?

name=127)

● W1\_Programming-

Qs3

(/noc20\_cs57/progassignment?

name=128)

○ Feedback For

Week 1 (unit?

unit=17&lesson=26)

**Week 2**

**Week 3**

**Week 4**

**Week 5**

**Week 6**

**Week 7**

## **DOWNLOAD VIDEOS**

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### **Text Transcripts**

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### **Assignment Solution**

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### **Books**

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### **Live Interactive Session**