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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in C++ (course)**
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W8_Programming-Qs1

Due on 2020-11-12, 23:59 IST

Consider the following program. Fill in the blanks: at **LINE-1** with appropriate template header, at **LINE-2** with proper parameter-list for function `Swap()`, and at **LINE-3** with proper declaration of function variable, such that it satisfies the given test cases.

**Private Test cases
used for evaluation**

Input	Expected Output	Actual Output	Status
100 2 00 -3.13 34.33 hello world	200 100 34.33 - 3.13 world hello	200 100 34.33 - 3.13 world hello	Pa ss ed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-11-12, 23:34 IST

Your last recorded submission was :

```

1 #include <iostream>
2 #include <string>
3 using namespace std;
4
5 // Write the Swap function here
6 template <class T> // LINE-1
7 void Swap(T& x, T& y) { // LINE-2
8     T t; // LINE-3
9     t = x;
10    x = y;
11    y = t;
12 }
13
14 int main() {

```

Course outline

How does an
NPTEL online
course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

- ☐ Module 36 :
Exceptions (Error
Handling in C) :
Part I (Lecture
52) (unit?
unit=89&lesson=90)

Module 37 :
Exceptions (Error
Handling in C) :
Part II (Lecture
53) (unit?
unit=89&lesson=91)

Module 38 :
Template
(Function
Template) : Part I
(Lecture 54)
(unit?
unit=89&lesson=92)

Module 39 :
Template
(Function
Template) : Part II
(Lecture 55)
(unit?
unit=89&lesson=93)

Module 40 :
Closing
Comments
(Lecture 56)
(unit?
unit=89&lesson=94)

Lecture Materials
(unit?
unit=89&lesson=95)

Quiz :
Assignment 8
(assessment?
name=176)

**W8_Programming-
Qs1**
(/noc20_cs57/progassignment?
name=178)

W8_Programming-
Qs2
(/noc20_cs57/progassignment?
name=179)

W8_Programming-
Qs3
(/noc20_cs57/progassignment?
name=180)

W8_Programming-
Qs4
(/noc20_cs57/progassignment?
name=181)

```

15  int a, b;
16  double s, t;
17  string mr, ms;
18
19  cin >> a >> b;
20  cin >> s >> t;
21  cin >> mr >> ms;
22
23  Swap(a, b);
24  Swap(s, t);
25  Swap(mr, ms);
26
27  cout << a << " " << b << " ";
28  cout << s << " " << t << " ";
29  cout << mr << " " << ms;
30
31  return 0;
32 }
```

☐ Feedback For
Week 8 (unit?
unit=89&lesson=96)

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**Live Interactive
Session**

**Programming Test
(11th Dec):
Session-1
(10.00AM -
11.00AM)**

**Programming Test
(11th Dec):
Session-2 (8.00PM
- 9.00PM)**