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[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » **Programming in C++ (course)**
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W8_Programming-Qs2

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

Consider the following program. Fill in the blanks in `LINE-1` for template declaration for `class A` such that it satisfies the given test cases.

Private Test cases used for evaluation

Test Case 1

Input	Expected Output	Actual Output	Status
10 x	10 x\n 10 120\n	NA	Runtime Error

The due date for submitting this assignment has passed.

0 out of 1 tests passed.

You scored 0.0/100.

Assignment submitted on 2020-11-12, 23:38 IST

Your last recorded submission was :

```

1 #include <iostream>
2 using namespace std;
3
4 // Write the class header here
5 template<class T, class U = int > // LINE-1
6 class A {
7 public:
8     T x;
9     U y;
10    A(T x, U y){ cout << x << ' ' << y << endl; };
11 };
12
13 int main() {
14     int num;
15     char c;
16
17     cin >> num;
18     cin >> c;
19
20     A<int, char> a1(num, c);
21     A<int> a2(num, c);

```

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)

```
22  
23     return 0;  
24 }
```

☐ 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)**