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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » An Introduction To Programming Through C++ (course)

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1\_noc20\_cs53/preview) Ask a Question (forum)

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

## Week 1 - Programming Assignment 2 Course Due on 2020-02-12, 23:59 IST outline Write a program that reads in a number and prints out the letter T using '\*' characters with each line in the T having width n. Further, the length of the How does an horizontal bar should be 3n, and that of the vertical bar 2n. Thus for n=3 your **NPTEL** online program should print course work? \*\*\*\*\* Week 0 \*\*\*\*\* \*\*\*\*\*\* Week 1 \* \* \* Lecture 1 Part 1: Introduction (unit? unit=17&lesson=25) Lecture 1 Part 2: Introduction (unit? unit=17&lesson=29) Sample Test Cases Lecture 1 Part Input Output 3: Introduction (unit? \*\*\*\*\* unit=17&lesson=31) O Lecture 1 Part Test Case 1 2 4: Introduction (unit? \* \*

unit=17&lesson=30)

Lecture 2 Part
1 : Problem

```
Solving using
   Computer
   (unit?
   unit=17&lesson=33)
 Lecture 2 Part
                            Test Case 2
                                                            3
   2: Problem
   Solving using
   Computer
   (unit?
   unit=17&lesson=32)
 Lecture 2 Part
   3: Problem
                           The due date for submitting this assignment has passed.
   Solving using
                           As per our records you have not submitted this assignment.
   Computer
                           Sample solutions (Provided by instructor)
   (unit?
                                 #include <iostream>
   unit=17&lesson=34)
                                 #define repeat(x) for(int _iterator_i = 0, _iterator_limit = x; _iterat
#define main_program int main()
O Lecture 2 Part
                                 #include <cmath>
                                 using namespace std;
main program{
  int n;
  cin >> n;
   4: Problem
                             5
6
7
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9
10
   Solving using
   Computer
   (unit?
                                 // print the horizontal bar
                                    repeat(n){
    repeat(3*n){
        cout <<'*';
   unit=17&lesson=35)
                             11
12
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17
18
19
20
21
22
23
24
 Lecture 2 Part
   5: Problem
                                       cout << endl;
   Solving using
                                     print the vertical bar
   Computer
                                    repeat(2*n){
repeat(n){
   (unit?
                                          cout `<<'
                                                      '; // print blank
   unit=17&lesson=36)
                                       repeat(n){
  cout <<'*';</pre>
 Week 1 -
   Programming
   Assignment 1
                                       cout << endl;
                             25
26 }
                                    }
   (/noc20_cs53/progassig
   name=163)
 Week 1 -
   Programming
   Assignment 2
   (/noc20_cs53/progassignment?
   name=164)
Quiz: Week 1
   Quiz 1
   (assessment?
   name=165)
Download
   Videos (unit?
   unit=17&lesson=177)
 Weekly
   Feedback
   (unit?
   unit=17&lesson=189)
Week 2
Week 3
```

Week 4
Week 5
Week 6
Week 7
Week 8
Week 9
Week 10
Week 11
Week 12
Text Transcripts