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(https://swayam.gov.in) (https://swayam.gov.in/nc_details/NPTEL)

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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)

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

- Lecture 6 Part 1 : Conditional Execution (unit?unit=45&lesson=46)
- Lecture 6 Part 2 : Most general form of if (unit?unit=45&lesson=47)
- Lecture 6 Part 3 : More general form of conditions

Week3 Programming Assignment 1

Due on 2020-02-19, 23:59 IST

Write a program which prints the sum of the cubes of the digits of a number.

Sample Test Cases

	Input	Output
Test Case 1	70000001	344
Test Case 2	120	9
Test Case 3	123405	225
Test Case 4	0	0

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Sample solutions (Provided by instructor)

```
#include <iostream>
#define repeat(x) for(int _iterator_i = 0, _iterator_limit = x; _iterat
#define main_program int main()
#include <cmath>
using namespace std;
main_program{
  int number; cin >> number;
  int cubesum=0;
  while(number > 0){
    int digit = number % 10;
    cubesum = cubesum + digit*digit*digit;
    number = number/10;
  }
  cout << cubesum << endl;
```

```
15 }
16
17
```

- Week 3 Programmng Assignment 2 (/noc20_cs53/progassignment?name=171)
- Download Videos (unit?unit=45&lesson=179)
- Weekly Feedback (unit?unit=45&lesson=191)

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Text Transcripts