

Philip Pesic

Week 2

August 28 2022

Week 2 Prog 1

Problem 1 - cube a number. Write a program that:

Prompts the user to type in an integer number, N.

Prints out the value of $N*N*N$

* Be sure to comment your code explaining what it does

```
//  
// main.cpp  
// Week 2 Prog 1  
//  
// Created by Pippo Pesic on 8/28/22.  
//  
  
#include <iostream>  
using namespace std; //Automatically incorporates std::  
int main() {  
    int num; //Declares variable  
    cout << "Enter Number" << endl; //Prompts user for number  
    cin >> num; //Stores input into num variable  
    num = num * num * num; //Cubes num  
    cout << num << endl; //Outputs cubed num  
    cout << "Philip Pesic 8/24/22" << endl; //Signature  
    return 0; //Ends program  
}
```

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The screenshot shows a C++ IDE with a file named 'main.cpp' open. The code is as follows:

```
1 //  
2 // main.cpp  
3 // Week 2 Prog 1  
4 //  
5 // Created by Pippo Pesic on 8/28/22.  
6 //  
7  
8 #include <iostream>  
9 using namespace std; //Automatically incorporates std::  
10 int main() {  
11     int num; //Declares variable  
12     cout << "Enter Number" << endl; //Prompts user for number  
13     cin >> num; //Stores input into num variable  
14     num = num * num * num; //Cubes num  
15     cout << num << endl; //Outputs cubed num  
16     cout << "Philip Pesic 8/24/22" << endl; //Signature  
17     return 0; //Ends program  
18 }  
19
```

The output window shows the following text:

```
Enter Number  
2836  
1334816576  
Philip Pesic 8/24/22  
Program ended with exit code: 0
```

The IDE interface includes a sidebar on the left with a file explorer showing 'Week 2 Prog 1' and 'C' main'. The right sidebar contains settings for 'Identity and Type' (Name: main.cpp, Type: Default - C++ Source), 'On Demand Resource Tags' (Only resources are taggable), 'Target Membership' (Week 2 Prog 1), and 'Text Settings' (Text Encoding: No Explicit Encoding, Line Endings: No Explicit Line Endings, Indent Using: Spaces, Widths: 4, Tab: Indent, Wrap lines: checked).

I practiced writing basic programs with io functions and variables