



Adapted from C++ How To Program edited for our own purposes

Unary Scope Resolution Operator

It is possible to declare local and global variables of the same name. C++ provides the unary scope resolution operator (::) to access a global variable when a local variable of the same name is in scope.

A global variable can be accessed directly without the unary scope resolution operator if the name of the global variable is not the same as that of a local variable in scope.

```
3  #include <iostream>
4  using namespace std;
5
6  int number = 7; // global variable named number
7
8  int main()
9  {
10     double number = 10.5; // local variable named number
11
12     // display values of local and global variables
13     cout << "Local double value of number = " << number
14           << "\nGlobal int value of number = " << ::number << endl;
15 } // end main
```

```
Local double value of number = 10.5
Global int value of number = 7
```