

```
//integer example

#include <iostream>
using namespace std;

int main()
{
    int number1; //this is a variable named number1 that can hold a whole number
                //declaring (setting up) a variable

    //declare and initialize in one step
    int number2 = 9; //declaring AND initializing

    //give the variable named number1 a value
    //initializing a variable means to give it a value

    number1 = 7; //number1 gets the value of 7
                // = is an assignment

    cout << number1 << endl; //take the value in number1
                            //and display it on the screen and then
                            //add a blank line

    cout << number2 << endl;

    return 0;
}
```