# While Loop With Complex Conditions

In the following example, a complex boolean expression is used in the *while* statement. The program gets a value and tries to parse it as an integer. If the value can not be converted to an integer, the program tries again, but not more than three times.

int c;  
string message;  
int count;  
bool res;  
  
Console.WriteLine("Please enter an integer.");  
message = Console.ReadLine();  
res = int.TryParse(message, out c);  
count = 0; // The user has 3 tries: count will be 0, 1, 2, and then we default.  
while (!res && count < 3)  
{  
 count++;  
 if (count == 3)  
 {  
 c = 1;  
 Console.WriteLine("I'm using the default value 1.");  
 }  
 else  
 {  
 Console.WriteLine("The value entered was not an integer.");  
 Console.WriteLine("Please enter an integer.");  
 message = Console.ReadLine();  
 res = int.TryParse(message, out c);  
 }  
}  
Console.WriteLine("The value is: " + c);