Bomb Defusal Project

Good news! You don't have to write any code this week!

The bad news is that you have to read my code, so take that as you will. This project idea is almost entirely stolen from a project I did in college, but mine was in assembly code that looked like this, so consider yourselves lucky. The project I did also detected whenever you guessed wrong and sent a signal to a server that would lower your final grade, so that was rough.

Anyway, the concept is that you have to defuse a bomb, which takes a very specific series of inputs. Unfortunately, we don't have any idea what the inputs are, but we do have access to the code that is controlling the detonator. This means that you need to figure out what the code is, and bring it next week where we will check if you can successfully defuse the bomb! I will not be checking the code, but instead your answers, so it doesn't help you at all to change the provided code to just "work" . The code will be in a file called "bomb code" on the website, just copy it into onlinegdb, or download it and upload it, and you can save it as your own project.

The project is partial credit, and each step of the bomb that you figure out is worth some points. Also, each step gets harder, so don't get overwhelmed without trying anything, please! Also, you are, as always, free to text or email me, but I may not be able to answer for a while depending on my work schedule. Also, I will NOT give out answers, but I will answer very specific questions and maybe give you a hint or two if you REALLY need it.

Some tips:

You CAN modify the code, specifically to add your own comments (remember: comment lines start with //) as you go so you remember what you've learned, or to print out what a variable has in it.

You CAN modify the initial values of the bomb flags (look in the code to see what I mean) to skip the earlier steps if you've solved them.

Spaces divide entries into cin, so each part of the code will be a single word or number.

You don't need to finish everything, but all of you should be able to do at least a couple steps pretty easily, I believe in you!

Don't forget that you can use the textbook pdf off the website, or google questions you have!