**Reverse Engineering HW1:**

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PART B:

The problems with partb.nopt:

* The parameter of the scanf should be an integer and not char. So we changed the letter from %c to %d.
* Scanf did not receive any parameters for his call and the stack should have pushed the string for the required type to read (LC2) and the variable to store the input.
* No matter what we inserted as input the program ended successfully, which could be interpreted as one of two ways: Either we were right at each guess (Not likely due to the number of times we run the executable) or there is a wrong jump after the number comparison to the randomized number.

The problems with partb.opt:

* The second print should be "Guess the number" we changed the second print to print the correct text (LC2)
* We did not receive a feedback if out number was bigger than the number we guess and went right to the part indicating to insert another number. We changed the jump from L2 to L3.
* The randomized number was exactly the same in each run. A call for "srand" was missing, so we added it with the appropriate parameter pushed (the result from the time call).