Programming Exercise 15.1

Over-Under Guessing Game, v.5.0

Purpose. Learn how to apply collections for tracking things in game programs.

Requirements. Rewrite your overUnder4.cpp from Exercise 14.1 as overUnder5.cpp. Modify the program to track the numbers guessed by the user, using a collection to store the guessed numbers instead of an array-based list. This not only gets around the capacity limitation in overUnder3.cpp, but it does so without having to use objects and links.

Program I/O. Same as Exercise 14.1

Example. User input in blue:

```
I'm thinking of a number between 1 and 100. Guess what it is: 50 That's too high -- guess again: 25 That's too low -- guess again: 37 That's too high -- guess again: 31 That's too high -- guess again: 25 You already guessed 25 -- guess again: 28 That's right -- it's 28
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