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CS 31

1. The first challenge I faced was simply forgetting to put cin.ignore, which led to the compiler reading the newline as the first trial word. The biggest challenged I faced was trying to find the bees. My original approach was to create an array of chars that had already been counted as a bee or a flower, but this didn’t work if a letter showed up multiple times. My next approach was to modify the chars in the cstring if they were already considered a flower or a bee, but I coulnd’t modify the original mystery word. I fixed this by making a copy of the mystery word each time a new trial word was read.
2. I created the bool canPlay, which would only run the game if the number of rounds inputted was positive, and if the words were loaded properly. If canPlay is true, then it prints out the rounds number, along with how many letters the mystery word is. It then calls playOneRound, and stores the number of tries, printing out the average, minimum, and maximum.

playOneRound runs a while loop while the user input is not the mystery word. It first looks at the trial word, making sure it only consists of 4-6 lowercase letters, printing an error message if it does not. It also makes sure that the word is in the word bank. If both conditions are true, it then compares the trial word and mystery word, matching up the bees and the flowers.