**Challenges:**

I faced some trouble with figuring out how to calculate the number of bees and flowers. Sometimes the same letter in a guess was counted as both a bee and a flower, which I had to fix. I also had some difficulty manipulating C strings and trying to keep copies of them.

**Program design:**

main

get array of all words

terminate if no words available

ask user for positive number of rounds

repeatedly until no more rounds:

generate random word as mystery word

print length of mystery word

play one round with mystery word

update and print round score, max score, min score

playOneRound

check that arguments are valid

repeatedly until guess is correct:

ask for user’s guess

check and print if guess is valid and known word

calculate and print flowers and bees counts

update score

return score

doesWordExist

return true if given word is in array of known words

otherwise return false

isValidTrial

return false if length of guess is not between 4 and 6 letters long

return false if any character is not lowercase letter

otherwise return true

indexOf

return first index of character in given string if present

otherwise return -1

findFlowersAndBees

repeatedly until end of guess string:

if character is same at given position between guess and mystery:

increment flowers count

mark position as a flower

repeatedly until end of guess string:

if character found in both guess and remaining mystery word:

increment bees count

return flowers and bees counts