Project 8 - String guess

Write a program to ask a user to guess a "magic word"

- keep asking the user to enter a string until the guess the "magic word"
- the case of the word shouldn't matter
- count how many guesses the user makes
- output the number of guesses taken

It's probably a good idea to tell the user how many letters the word has and give them a clue

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Hints:

- use `==` to compare the guess to the word
- use either `.lower()` or `.upper()` to convert the value the user enters
- use a `while` loop to keep repeating the code

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Extension tasks:

A. make the user only enter words that are the same length as the one they're trying to guess

B. give the user a clue after 10 unsuccessful guesses

C. let the user give up by entering something like "ZZZ"