

8593 - LAB 12

Instructions

1. Access the auto-grader at <https://c200.luddy.indiana.edu>
2. Please write the code for the problems in python language
3. The code should be readable with variables named meaningfully
4. Plagiarism is unacceptable and we have ways to find it, so do not do it
5. Don't change the function signature (name of the function and number and types of arguments) provided in this file.
6. Once you pass all the tests on the auto grader, show your work to the teaching assistant

Problem

Question

The "Wordle" game requires you to guess a secret word. When you guess, you're told how close your guess was to the secret word using three colors:

Green: A letter is in the correct position.

Yellow: A letter is in the word but in a different position.

Black: A letter is not in the word at all.

You need to write a function `wordle(guess, secretWord)` that takes your guess and the secret word as inputs, then returns a string showing the result for each letter as 'G' (green), 'Y' (yellow), or 'B' (black).

Example: `wordle("RAMPS", "PROPS")` should return "YBBGG".

Keep in mind:

1. Handle duplicate letters carefully.
 2. The guess and secret word are the same length and contain only uppercase letters.
- Use a Hashing in your solution.

Test cases

1. Input: `Guess = "APPLE", SecretWord = "PEARS"`
Output: "YYBBY"
2. Input: `Guess = "AAAAP", SecretWord = "PEARS"`
Output: "BBGBY"

Function signature

```
def wordle(guess, SecretWord):  
    # your logic  
    return ans
```