CIC6010 - Python programming

Assessment

Write a program where the computer tries to guess the number you are thinking of, instead of the other way around where you are guessing a computer's chosen number.

- The computer has 10 attempts.
- Your number should be between 0 and 20.
- You need to tell whether the guess is too high (th), too low (tl), or correct (c).
- The output should be 'the computer won' or 'you won'.
- The guess by the computer should not be based on random numbers!
- Forming good coding habits (use functions, meaningful variable names, etc…).

Plot the guess vs attempt function!

- Use matplotlib.
- The function title is 'the computer won' or 'you won' depending on the situation.
- Use black dots for visualisation. Do not forget to label the axes.
- If the computer wins the last point on the graph will be the number you were thinking of. This point must be displayed as being different from the others (i.e., different colour).
- Save the figure (name: result.jpg).