Iterate over a string

# Worked example .

How many e’s?

| 1  2  3  4  5  6  7  8 | word = "sheep"  count\_e = 0  for letter in word:  if letter == "e":  count\_e = count\_e + 1  print(count\_e) |
| --- | --- |

# Task .

Modify the program above so that it asks the user for a character. The character entered should then be checked against the word to see how many matching characters are in that word.

| **Example** |  |
| --- | --- |
| **Note:** Given the input you see in this sample interaction, this is the output your program should produce. | |
| A prompt is displayed to the user. | Enter a character: |
| The user enters a character. This is held in a variable and used in the condition inside the for loop. | p |
| The count variable is incremented at each occurance. The output is displayed. | The letter p appears 1 times |

# 

# Task .

Add this additional functionality to your ‘guess the word’ game. The user should be able to type a letter to get a hint and see if the word contains that letter, and how many times.