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# Pythonlearn:exercises-chapter06

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Exercise 5 is a graded assignment. Please do not post solutions to this exercise, even after the deadline has passed.

Exercise 6.1 - Write a while loop that starts at the last character in the string and works its way backwards to the first character in the string, printing each letter on a separate line, except backwards.

#Using 'while' loop

fruit=raw\_input('Enter a string: ')

index = len(fruit)

while index > 0:

letter = fruit[index-1]

print letter

index = index - 1

Alternate version using negative indices:

fruit = raw\_input('Enter the name of a fruit: ')

index = -1

while index >= -len(fruit):

print fruit[index]

index = index - 1

Exercise 6.3 Encapsulate this code in a function named count, and generalize it so that it accepts the string and the letter as arguments.

def count(string, letter):

x = 0

for i in string:

if i == letter:

x += 1

print "The letter "+letter+" appears " +str(x)+" times in the string: "+string

count("This is a test", "t")

Alternate version that returns the count to the calling code:

def count(string, letter\_were\_looking\_for):

result = 0

for letter in string:

if letter == letter\_were\_looking\_for:

result = result + 1

return result

print count('supercalifragilisticexpialidocious', 'l')