**Python Programming-String Problems 1 of 10**

**Source: Amazon Interview**

**Problem Description**

Given a string **s** consists of upper/lower-case alphabets and empty space characters ' ', return the length of last word in the string.

If the last word does not exist, return **0**.

Note: A word is defined as a character sequence consists of non-space characters only.

**Example:**

Given s = "Hello World",

return 5 as length("World") = 5.

Please make sure you try to solve this problem without using library functions. Make sure you only traverse the string once.

# Function to find the length of last word in a sentence

# No built in functions are used

def LastWordLength(S):

#Start from the last character in the sentence

TempStr = S.strip()

i=-1

while(True):

try:

#If space is found then a word is completed

if TempStr[i] == " ":

print (i\*-1 - 1)

return

i-=1

except:

#Completed the full string

#IndexError

print (0)

return

Str = "Hello my world"

LastWordLength(Str)