Raz M. Yousufi AS Lab Exam 06/06/2016

1- Write a python program to demonstrate HTML Parsing

Output:

```
root@kali: ~
                                       root@kali: ~
                                                                            root@kali: ~
<mark>root@kali:~#</mark> chmod +x htmlparser.py
 oot@kali:~# ./htmlparser.py
 'start tag:', 'html')
                  'head')
 start tag:
                   'tit')
 start tag:
 start tag:
                    'title')
                    'head')
 start tag:
                  'body')
 'start tag:'
                  'h1')
 'start tag:'
                 , 'h1')
 start tag:
('start tag:
('start tag:
<mark>'oot@kali</mark>:~#
                 , 'body')
                 , 'html')
```



while index < len(mystr):</pre>

index += 1

if mystr[index] in constSet:

consonants += 1

2- write a function named count_consonants that receives a string as parameter and returns the total count of the consonants in the string. Consonants are all the characters in the english alphabet except for 'a', 'e', 'i', 'o', 'u'. If the same consonant repeats multiple times you should count all of them. Note that capitalization and punctuation does not matter here i.e. a lower case character should be considered the same as an upper case character.

```
GNU nano 2.2.6
                                            File: constant.pv
 !/usr/bin/python
     ort io
def main():
    mystr = raw input("Enter your String:")
    mystr.lower()
    #index = 0, index is useless here
    constSet = set(['b','c','d','f','g','h','j','k','l','m','n','p','q','r',
  vowelSet = set(['a','e','i','o','u'])
#vowels = 0, vowels is useless here
#consonants = 0, consonants is useless here
    #Either pass vowel$et as
    runConsonants(mystr, constSet)
 def runVowels(mystr, "the quieter you become, the more you are able to hear"

#index, vowels needs to be defined and assigned a default value here
index = 0
     runConsonants(mystr, constSet)
def runConsonants(mystr, constSet):
      #index, consonants needs to be defined and assigned a default value here
      index = 0
      consonants = 0
```

```
index += 1
print 'This string consists of ' , consonants , 'consonants'
main()
```

You need to increment index outside of the condition

print 'This string consists of ' , consonants , 'consonants'



Output:

```
root@kali:~# ./constant.py
Enter your String:i have some constants to be counted...
This string consists of 17 consonants
root@kali:~#
```