

Chapter 5: File Handling

Text Files Practical – I

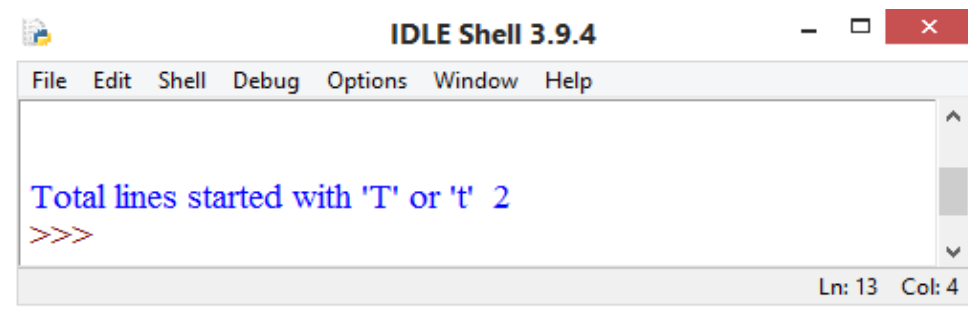
Prg. 1: Write a function in Python to count the number of lines in a text file 'STORY.TXT', which is starting with an alphabet 'T'

```
def COUNTLINES():
    file = open('STORY.TXT', 'r')
    lines = file.readlines()
    count = 0
    for w in lines:
        if w[0] == 'T' or w[0] == 't':
            count = count+1
    print("\n\nTotal lines started with 'T' or 't' ", count)
    file.close()

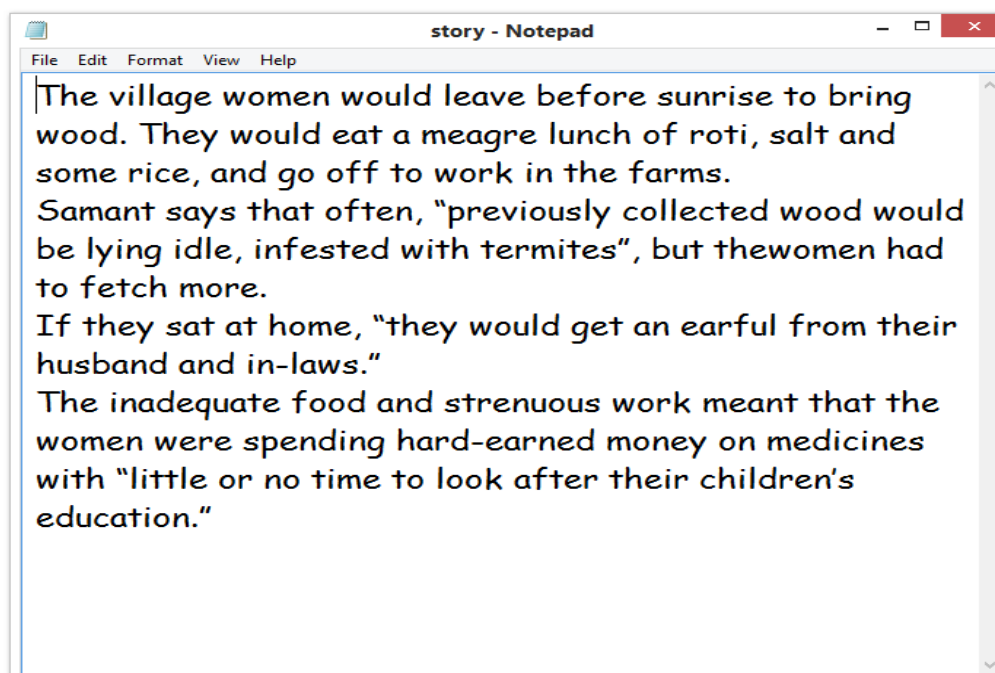
# -----Main -----

COUNTLINES();
```

Output:



STORY.TXT



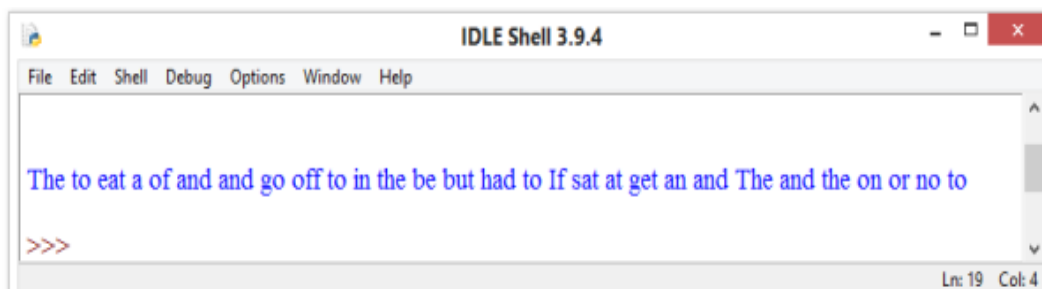
#Prg. 2: Write a method/function DISPLAYWORDS() in python to read lines from a text file STORY.TXT, and display those words, which are less than 4 characters.

```
def DISPLAYWORDS():
    file = open('STORY.TXT', 'r')
    line = file.read()
    words = line.split()
    print('\n')
    for w in words:
        if len(w) < 4 :
            print(w, end=' ')
    print('\n')
    file.close()

# -----Main -----

DISPLAYWORDS()
```

Output



'''

Prg. 3: Write a function in Python that counts the number of “Me” or “My” words present in a text file “ABC.TXT”.

If the “ABC.TXT” contents are as follows:

*My first book was
me and My Family.
It gave me chance to be
Known to the world.*

The output of the function should be:

Count of Me/My in file: 4

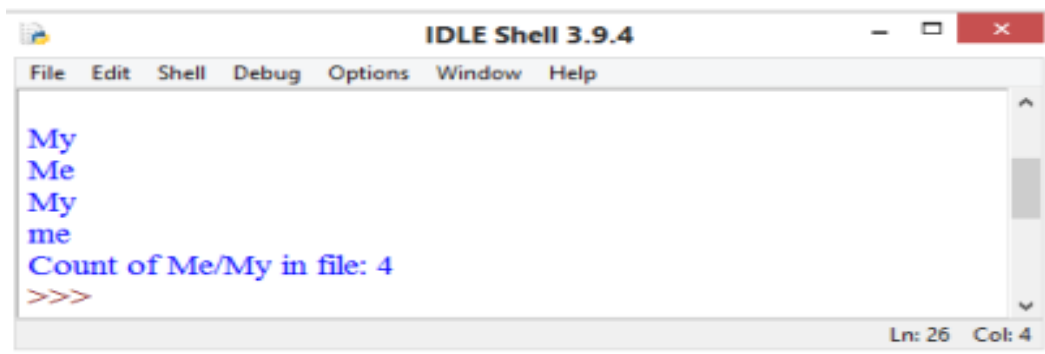
'''

Solution

```
def DisplayMeMy():
    num=0
    f=open("ABC.txt","rt")
    N=f.read()
    M=N.split()
    print(' ')
    for x in M:
        if x=="Me" or x=="My" or x=='me' or x=='my':
            print(x)
            num=num+1
    f.close()
    print("Count of Me/My in file:",num)

# -----Main -----
DisplayMeMy()
```

Output:



```
IDLE Shell 3.9.4
File Edit Shell Debug Options Window Help
My
Me
My
me
Count of Me/My in file: 4
>>>
```

Prg. 4: Write a function *stats()* that accepts a *filename* and reports the file's longest line.

```
def Stats(filename):
    longest=""
    lines=filename.readlines()
    for line in lines:
        if len(line) > len(longest):
            longest=line
    print("\n\nLongest line's length=", len(longest))

#----- main -----
FILE=open('STORY.TXT','r')
Stats(FILE)
FILE.close()
```

Output:

