

## Chapter 5: File Handling

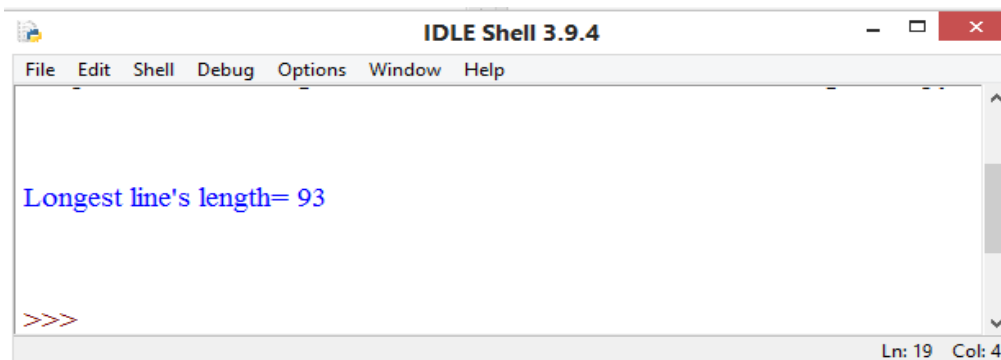
### Text Files Practical – II

*#Prg.1: Write a function stats() that accepts a filename and reports the file's longest line.*

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

#----- main -----
FILE=open('Story.txt','r')
Stats(FILE)
FILE.close()
```

### Output:



### STORY.TXT

the village women would leave before sunrise to bring wood.  
they would eat a meagre lunch of roti, salt and some rice, and go off to work in the farms.  
Samant says that often, "previously collected wood would be lying idle, infested with termites", but the women had to fetch more.  
if they sat at home, "they would get an earful from their husband and in-laws."  
The inadequate food and strenuous work meant that the women were spending hard-earned money on medicines with "little or no time to look after their children's education."

**#Prg. 2: Write a function `remove_lowercase()` that accepts two filenames, and copies all lines that do not start with a lowercase letter from the first file into the second.**

```
def Remove_Lowercase(infile, outfile):
    lines=infile.readlines()
    for line in lines:
        if not line[0] in "abcdefghijklmnopqrstuvwxyz":
            outfile.write(line)

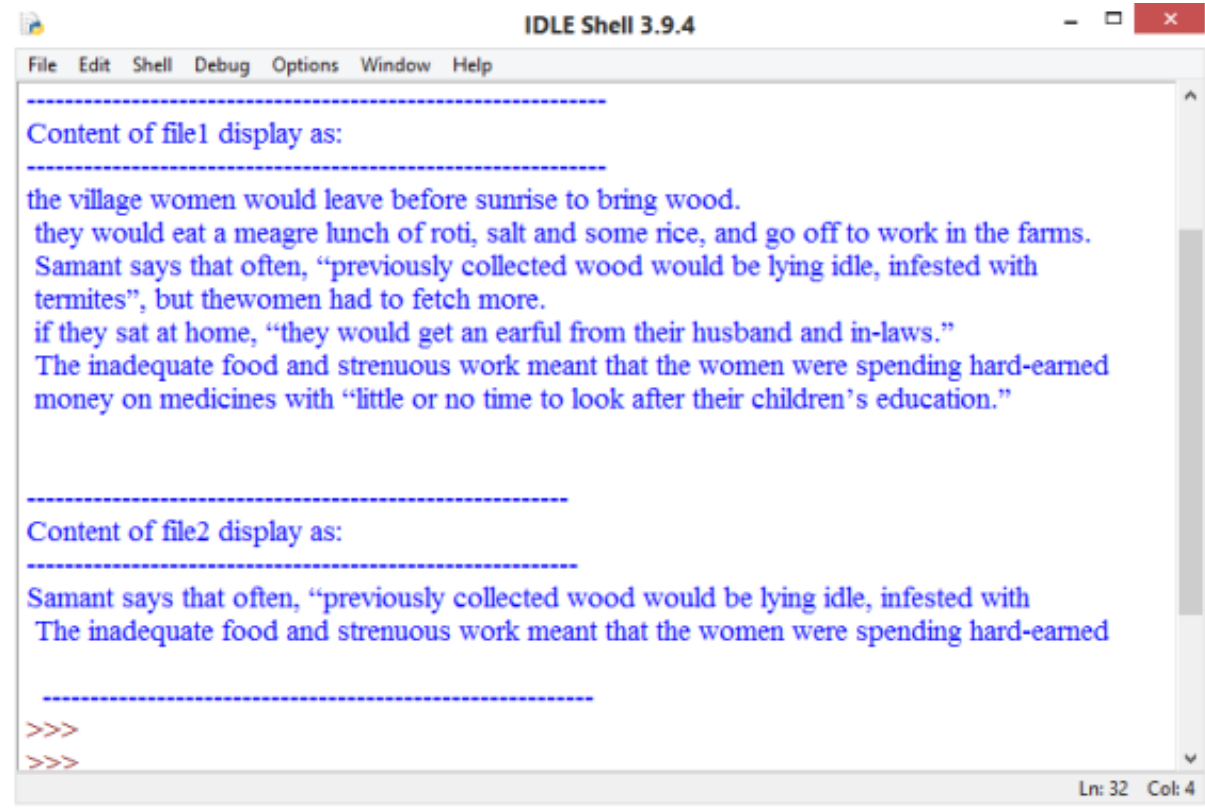
def Display_Contents():
    file1=open('STORY.TXT','r')
    file2= open('NEWSTORY.TXT','r')
    print('-----')
    print('Content of file1 display as:')
    print('-----')
    str= ''
    while str:
        str= file1.readline()
        print(str, end= ' ')

    print("\n-----")
    print('Content of file2 display as:')
    print('-----')
    str= ''
    while str:
        str= file2.readline()
        print(str, end= ' ')

    print('-----')
    file1.close()
    file2.close()

#----- main -----
infile=open("STORY.TXT","r")
outfile= open('NEWSTORY.TXT','w')
Remove_Lowercase(infile, outfile)
infile.close()
outfile.close()
Display_Contents()
```

### Output:



```
IDLE Shell 3.9.4
File Edit Shell Debug Options Window Help

-----
Content of file1 display as:
-----
the village women would leave before sunrise to bring wood.
they would eat a meagre lunch of roti, salt and some rice, and go off to work in the farms.
Samant says that often, "previously collected wood would be lying idle, infested with
termites", but the women had to fetch more.
if they sat at home, "they would get an earful from their husband and in-laws."
The inadequate food and strenuous work meant that the women were spending hard-earned
money on medicines with "little or no time to look after their children's education."

-----
Content of file2 display as:
-----
Samant says that often, "previously collected wood would be lying idle, infested with
The inadequate food and strenuous work meant that the women were spending hard-earned

-----
>>>
>>>
```

**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()
    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 -----
print("\n\n")
DisplayMeMy()
print("\n\n")
```

### Output:

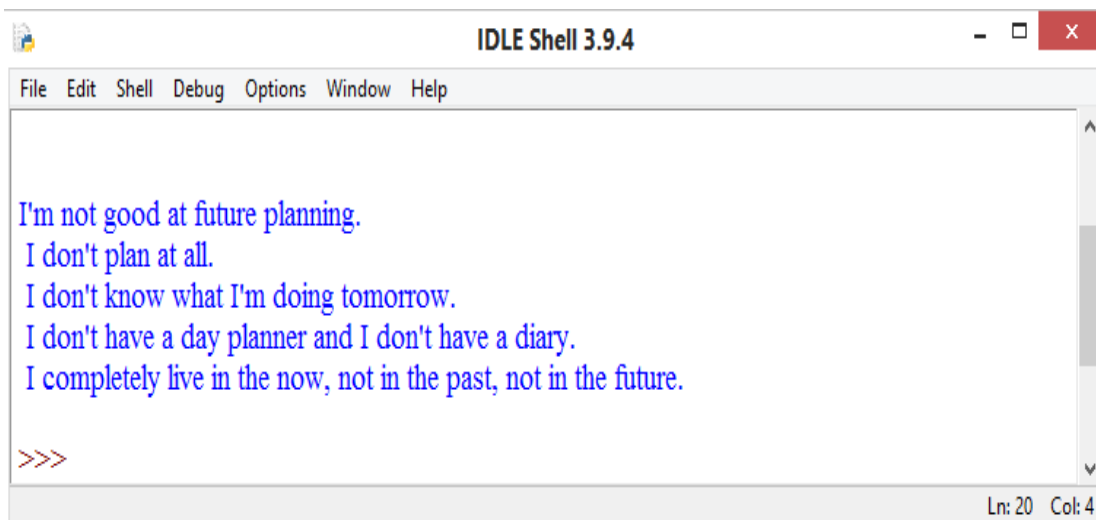


*Prg. 4: Write a method in Python to read the content from a text file diary.txt line by line and display the same on screen.*

```
def Display_diary(File):
    line=" "
    while line:
        line=File.readline()
        print(line,end=' ')
    File.close()

#----- main -----
print()
F=open("diary.txt","r")
print()
Display_diary(F)
```

### Output:

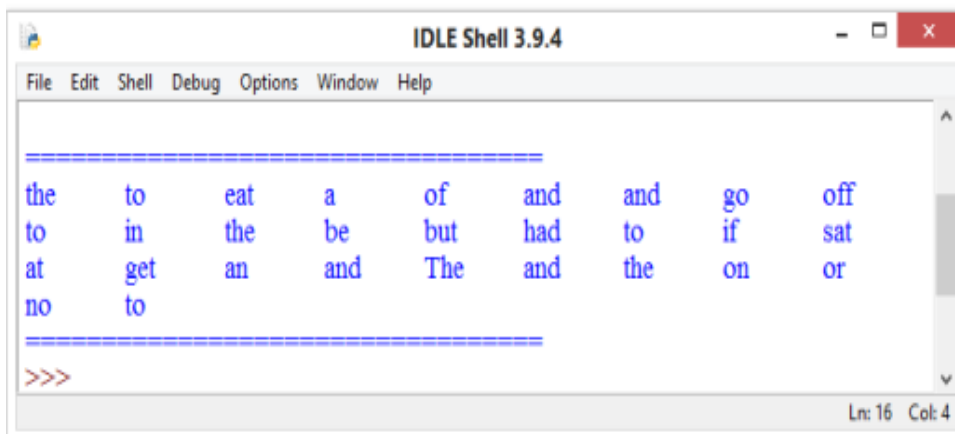


**Prg. 5: Write a method/function DisplayWords() in Python to read lines from a text file STORY.TXT, and display those words, which are less than 4 characters.**

```
def DisplayWords(DW):
    line=DW.read()
    word=line.split()
    count=0
    for w in word:
        if len(w)<4:
            print(w,end='\t')
    DW.close()

#----- main -----
print("\n=====")
DW=open("story.txt","r")
DisplayWords(DW)
print("\n=====")
```

**Output:**



```
the    to    eat    a    of    and    and    go    off
to     in    the   be   but   had    to    if    sat
at     get   an    and   The   and    the    on    or
no     to

>>>
```

Ln: 16 Col: 4