

TEXT FILE

1. Program to read content of text file “practice.txt” and display content of a file using read() method.

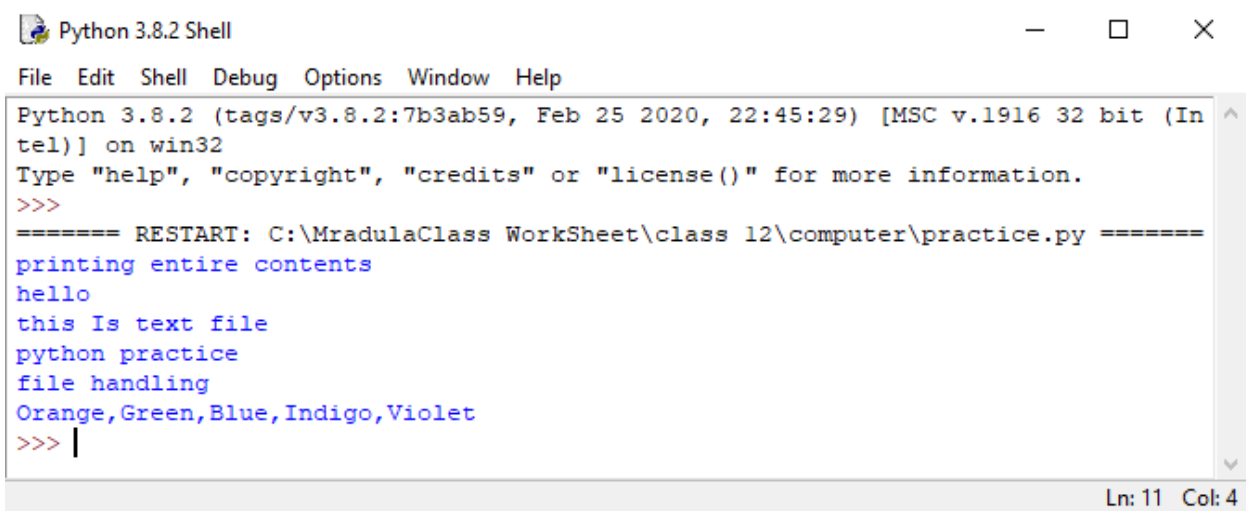
```
file=open("practice.txt","r")
```

```
dat=file.read()
```

```
print("printing entire contents")
```

```
print(dat)
```

```
file.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
printing entire contents
hello
this Is text file
python practice
file handling
Orange,Green,Blue,Indigo,Violet
>>> |
```

The status bar at the bottom right indicates "Ln: 11 Col: 4".

2. Program to read content of text file "practice.txt" and display content of a file using open() method.

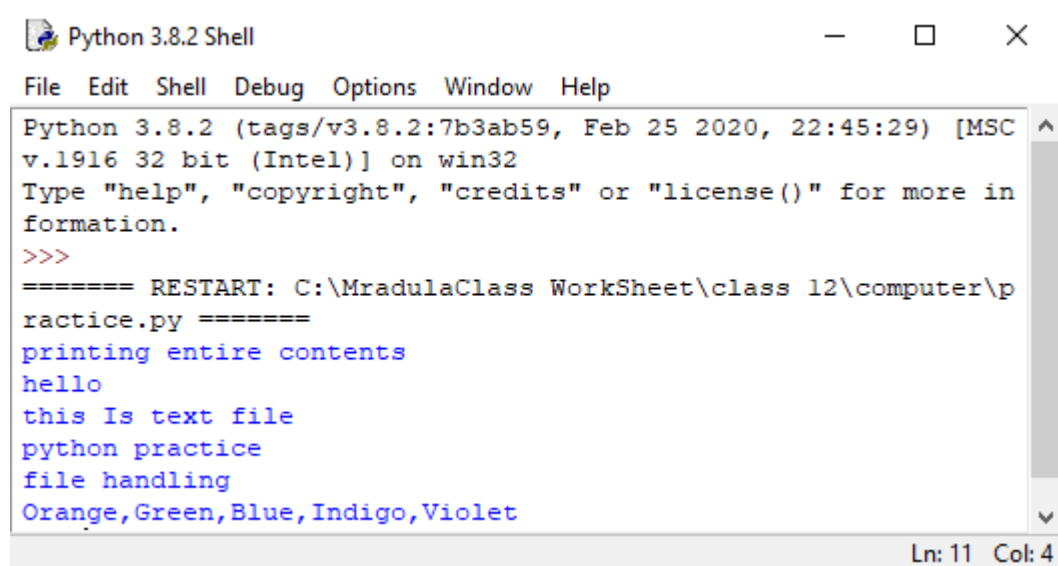
```
f=open("practice.txt","r")
```

```
print("printing entire contents")
```

```
for l in f:
```

```
    print(l,end="")
```

```
f.close
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC
v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more in
formation.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\p
ractice.py =====
printing entire contents
hello
this is text file
python practice
file handling
Orange,Green,Blue,Indigo,Violet
Ln: 11 Col: 4
```

3. Program to count number of vowels in practice.txt

```
f=open("practice.txt","r")
```

```
v="aeiouAEIOU"
```

```
ctr=0
```

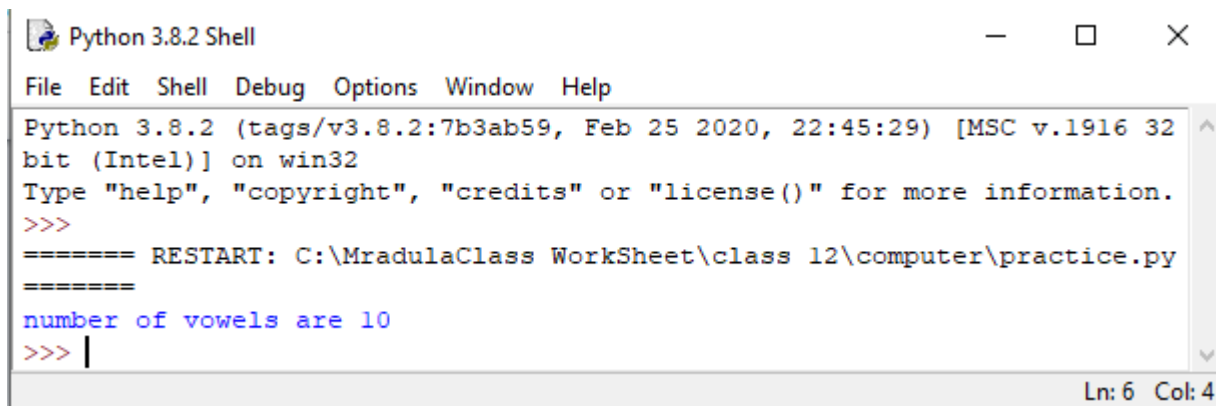
```
l=f.read()
```

```
for i in v:
```

```
    ctr+=1
```

```
print("number of vowels are",ctr)
```

```
f.close
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32
bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py
=====
number of vowels are 10
>>> |
```

Ln: 6 Col: 4

4. Program to display # after every word from the file practice.txt

```
f=open("practice.txt","r")
```

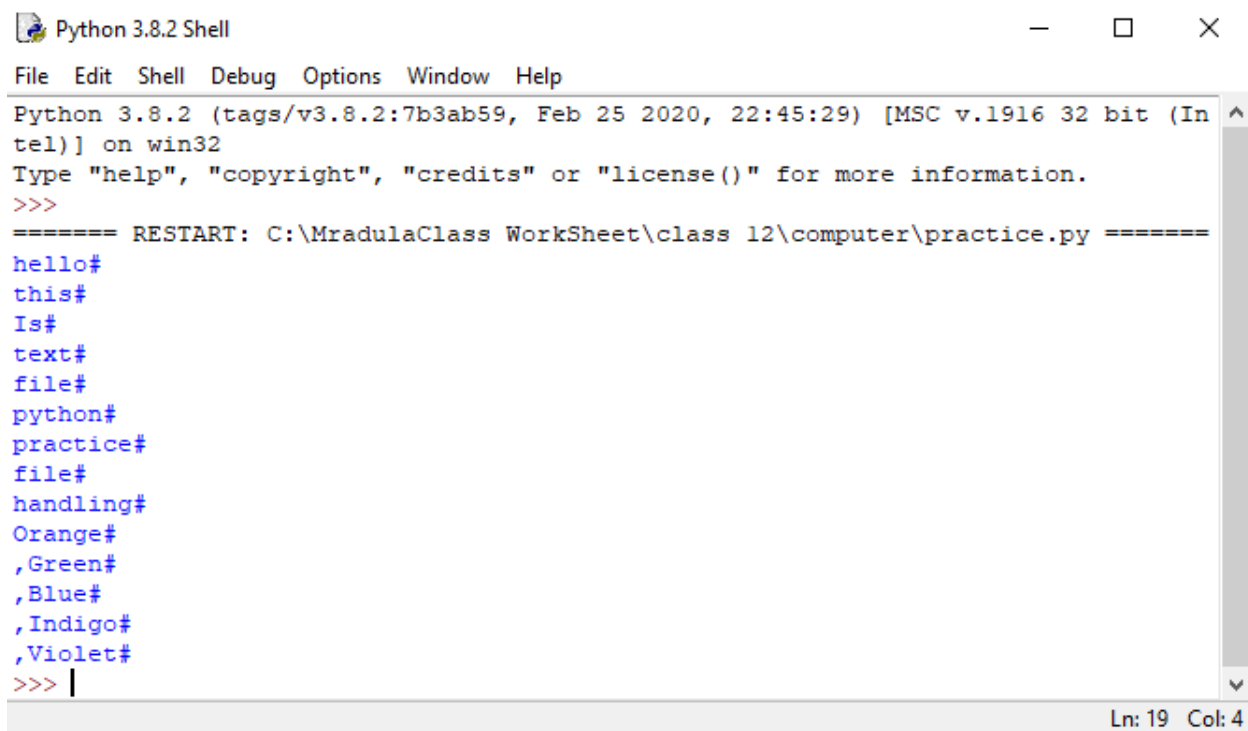
```
dat=f.read()
```

```
dat=dat.split()
```

```
for w in dat:
```

```
    print(w,"#",sep="")
```

```
f.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
hello#
this#
Is#
text#
file#
python#
practice#
file#
handling#
Orange#
,Green#
,Blue#
,Indigo#
,Violet#
>>> |
```

Ln: 19 Col: 4

5. Program in Python to type text in a file till ~ is pressed as rightmost character

```
f=open("practice.txt","w")
```

```
s=""
```

```
while s!='~':
```

```
    s=input("enter data")
```

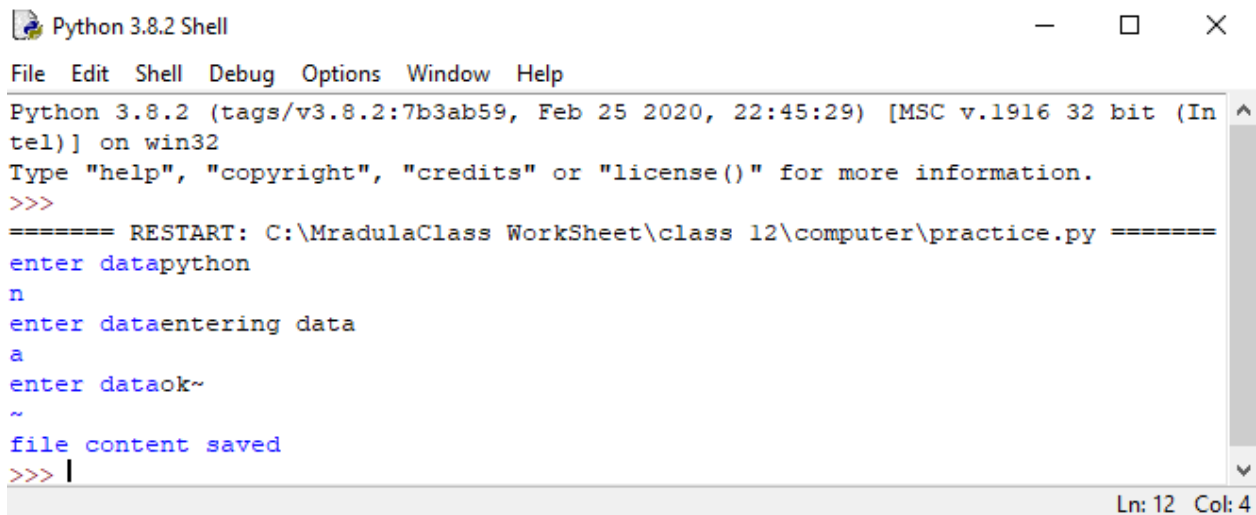
```
    f.write(s+"\n")
```

```
    s=s[-1]
```

```
    print(s)
```

```
f.close()
```

```
print("file content saved")
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
enter datapython
n
enter dataentering data
a
enter dataok~
~
file content saved
>>> |
```

Ln: 12 Col: 4

6. Program in Python to read first 2 lines from text file

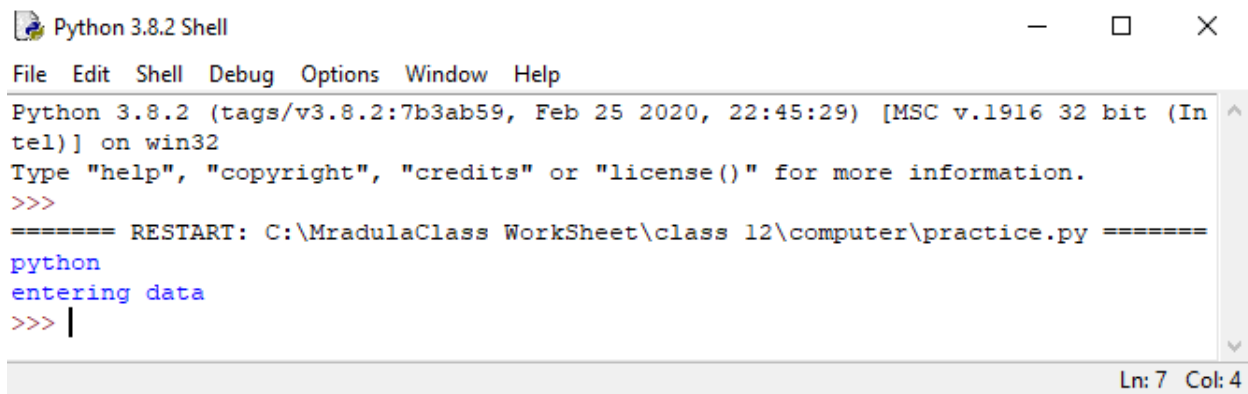
```
f=open("practice.txt")
```

```
dat=f.readlines()
```

```
for i in range(2):
```

```
    print(dat[i],end="")
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
python
entering data
>>> |
```

The status bar at the bottom right indicates "Ln: 7 Col: 4".

7. Program in Python to append text at the end of text file

```
f=open("practice.txt","a")
```

```
s=input("enter string")
```

```
f.write(s)
```

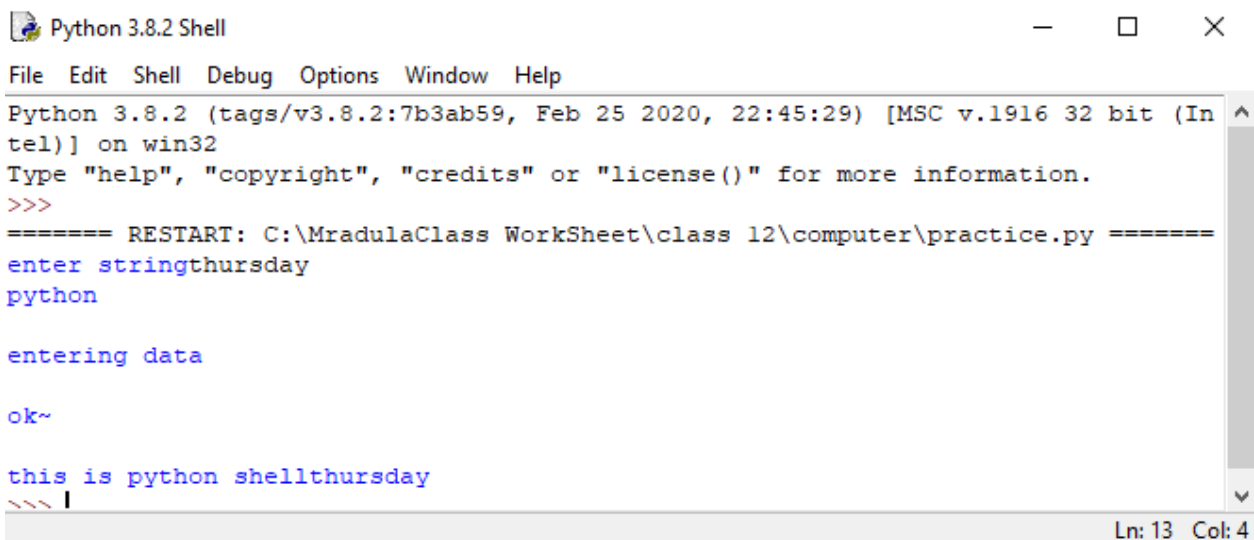
```
f.close()
```

```
t=open("practice.txt","r")
```

```
for i in t.readlines():
```

```
    print(i)
```

```
t.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
enter stringthursday
python

entering data

ok~

this is python shellthursday
>>> |
```

The status bar at the bottom right indicates "Ln: 13 Col: 4".

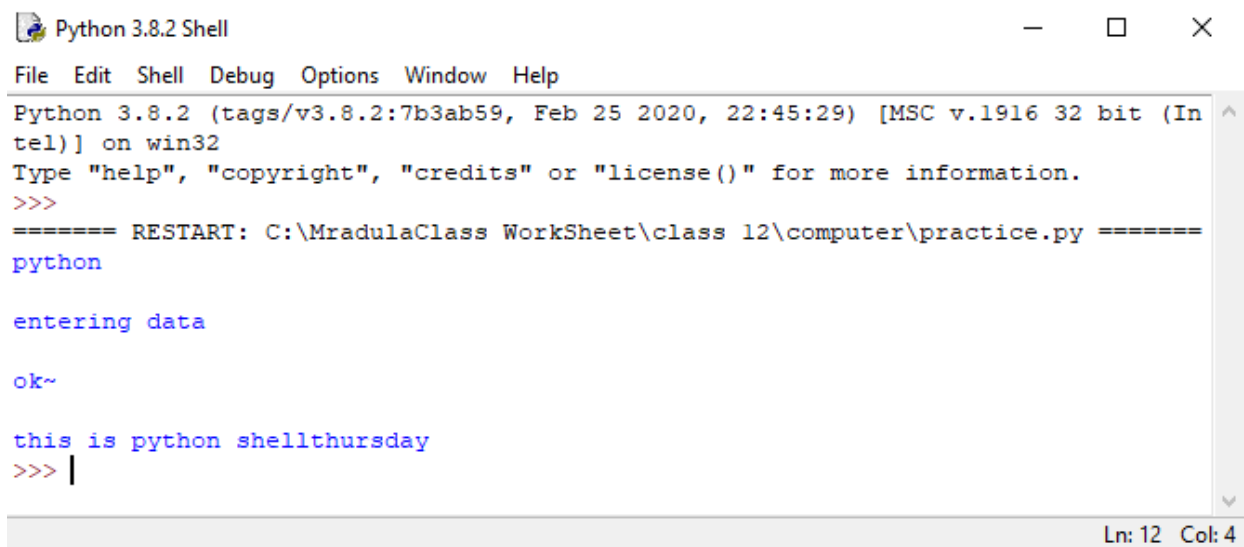
8. Program in Python to read line by line from text file

```
t=open("practice.txt","r")
```

```
for i in t.readlines():
```

```
    print(i)
```

```
t.close()
```



The screenshot shows a Python 3.8.2 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help) and a text area containing the following text:

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
python
entering data
ok~
this is python shellthursday
>>> |
```

The status bar at the bottom right indicates "Ln: 12 Col: 4".

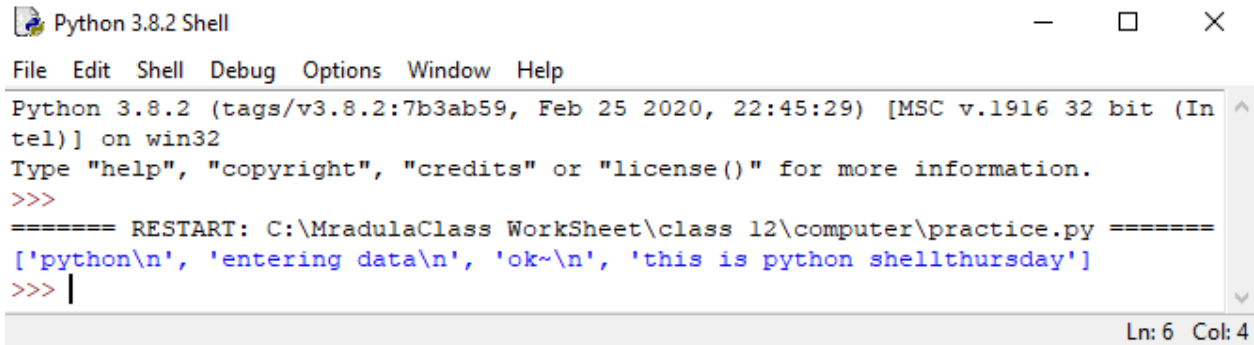
9. Program in Python to read entire file line by line in a list

```
f=open("practice.txt","r")
```

```
t=f.readlines()
```

```
print(t)
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
['python\n', 'entering data\n', 'ok~\n', 'this is python shellthursday']
>>> |
```

The status bar at the bottom right indicates "Ln: 6 Col: 4".

10. Program in Python to read each word separately

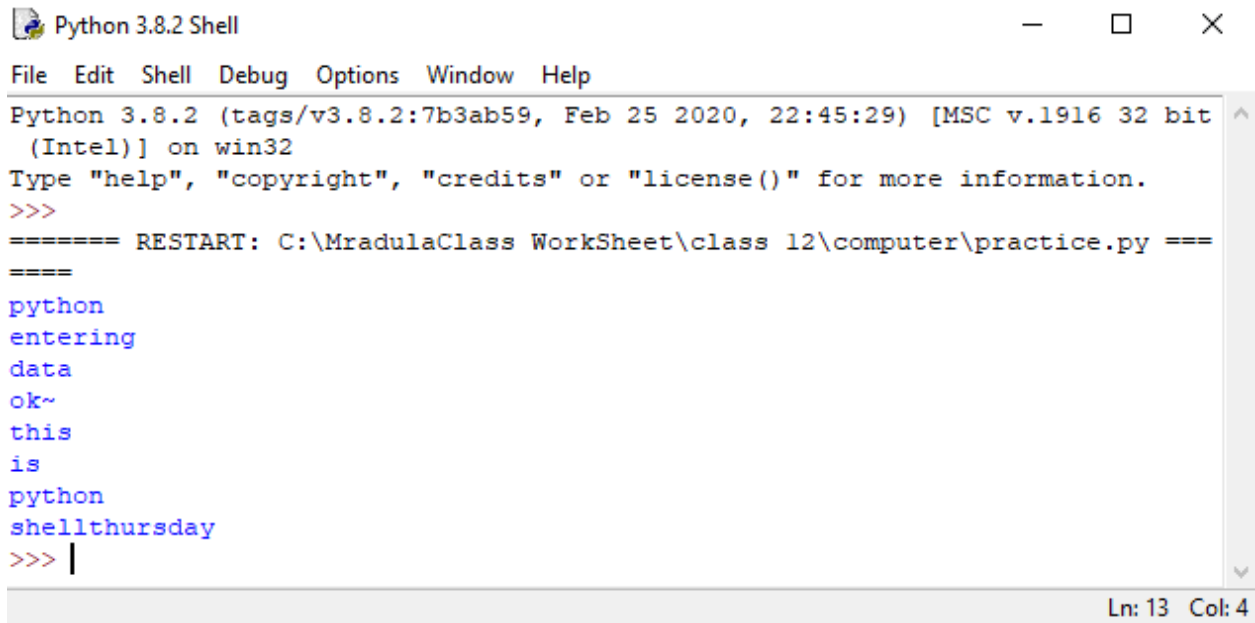
```
f=open("practice.txt","r")
```

```
for t in f.readlines():
```

```
    for r in t.split():
```

```
        print(r)
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit
(Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
python
entering
data
ok~
this
is
python
shellthursday
>>> |
```

The status bar at the bottom right indicates "Ln: 13 Col: 4".

11. Program in Python to count no. of words in a text file

```
f=open("practice.txt","r")

ctr=0

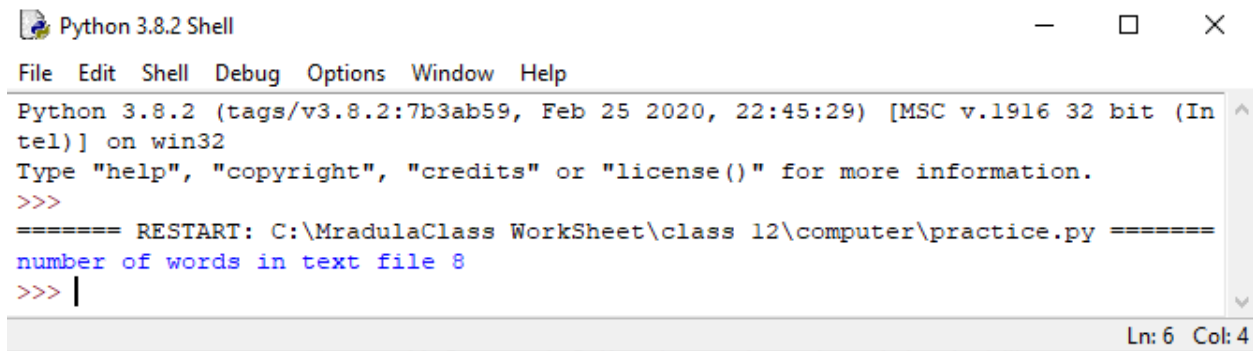
for t in f.readlines():

    for r in t.split():

        ctr+=1

print("number of words in text file",ctr)

f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
number of words in text file 8
>>> |
```

The status bar at the bottom right indicates "Ln: 6 Col: 4".

12. Program in Python to show word with maximum length from a text file

```
f=open("practice.txt","r")

mword=""

for t in f.readlines():

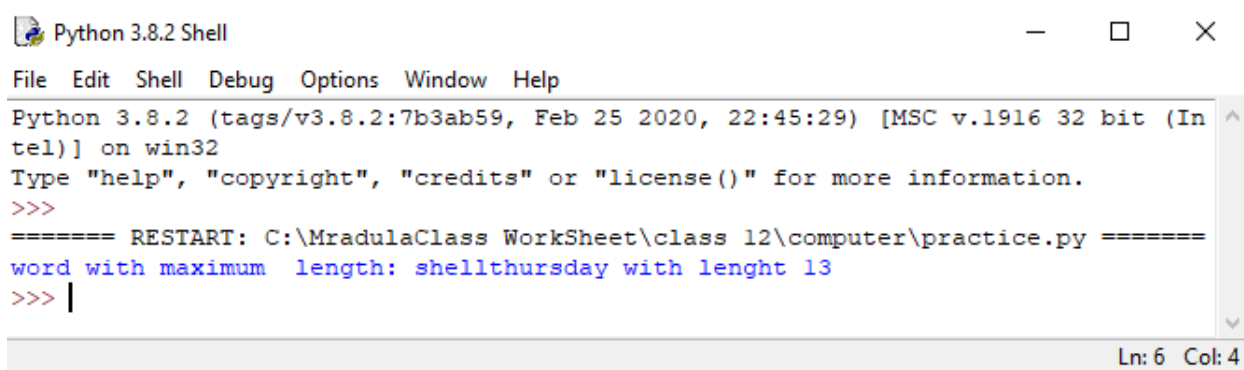
    for r in t.split():

        if len(r)>len(mword):

            mword=r

print("word with maximum length:",mword,"with lenght",len(mword))

f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
word with maximum length: shellthursday with lenght 13
>>> |
```

The status bar at the bottom right indicates "Ln: 6 Col: 4".

13. Program in Python to display frequency of each word in a text file

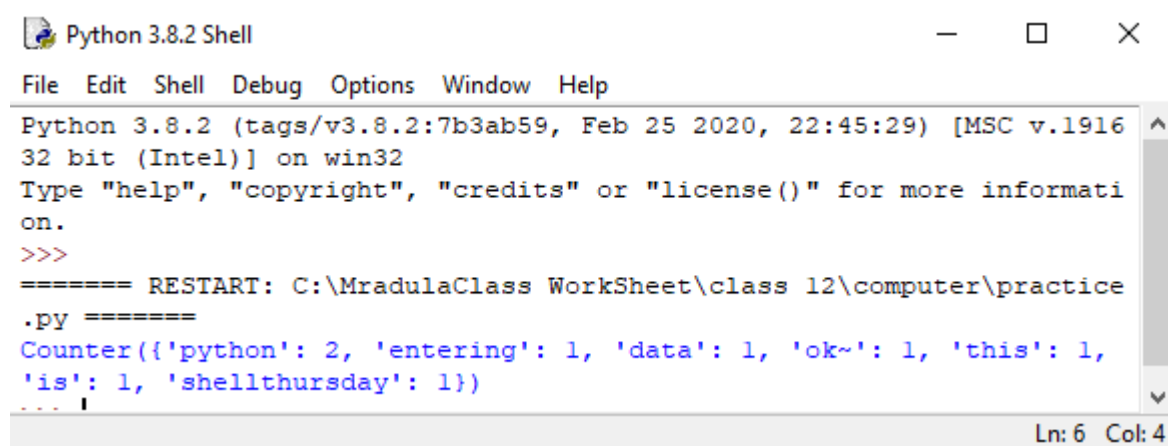
```
from collections import Counter
```

```
f=open("practice.txt","r")
```

```
r=Counter(f.read().split())
```

```
print(r)
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916
32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more informati
on.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice
.py =====
Counter({'python': 2, 'entering': 1, 'data': 1, 'ok~': 1, 'this': 1,
'is': 1, 'shellthursday': 1})
... |
```

The status bar at the bottom right indicates "Ln: 6 Col: 4".

14. Program in Python to store list elements (having days of the week) in a file and read these contents from file again

```
days=['sunday','monday','tuesday','wednesday','thursday','friday','saturday']
```

```
f=open("practice2.txt","w")
```

```
for c in days:
```

```
    f.write(c+'\n')
```

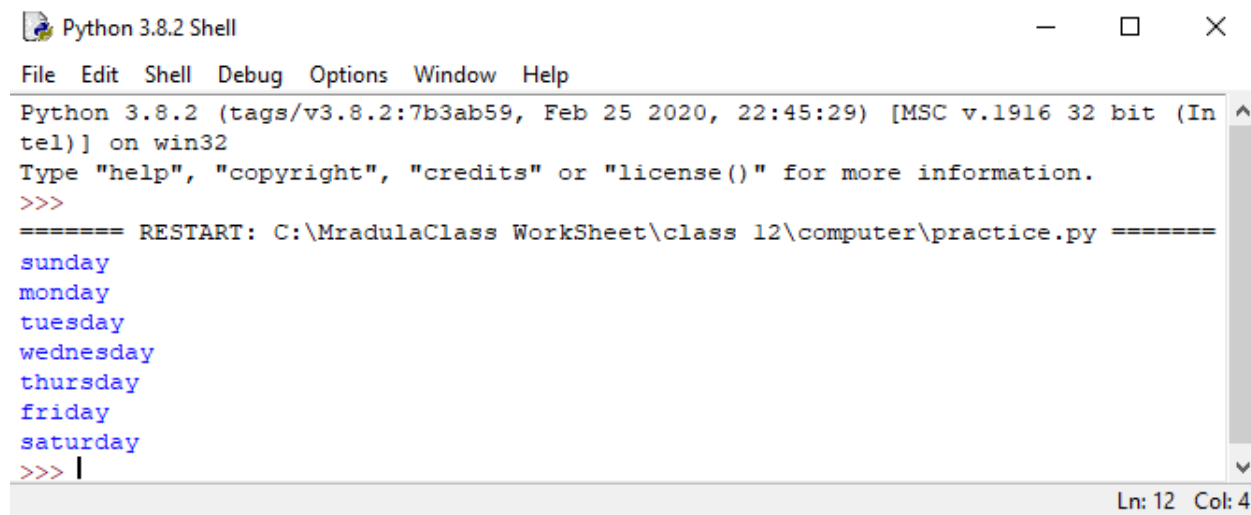
```
f.close()
```

```
t=open("practice2.txt")
```

```
for r in t.readlines():
```

```
    print(r,end="")
```

```
t.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
sunday
monday
tuesday
wednesday
thursday
friday
saturday
>>> |
```

The status bar at the bottom right indicates "Ln: 12 Col: 4".

15. Python program to combine each line from first file with the corresponding line in second file

```
f=open("practice.txt","r")
```

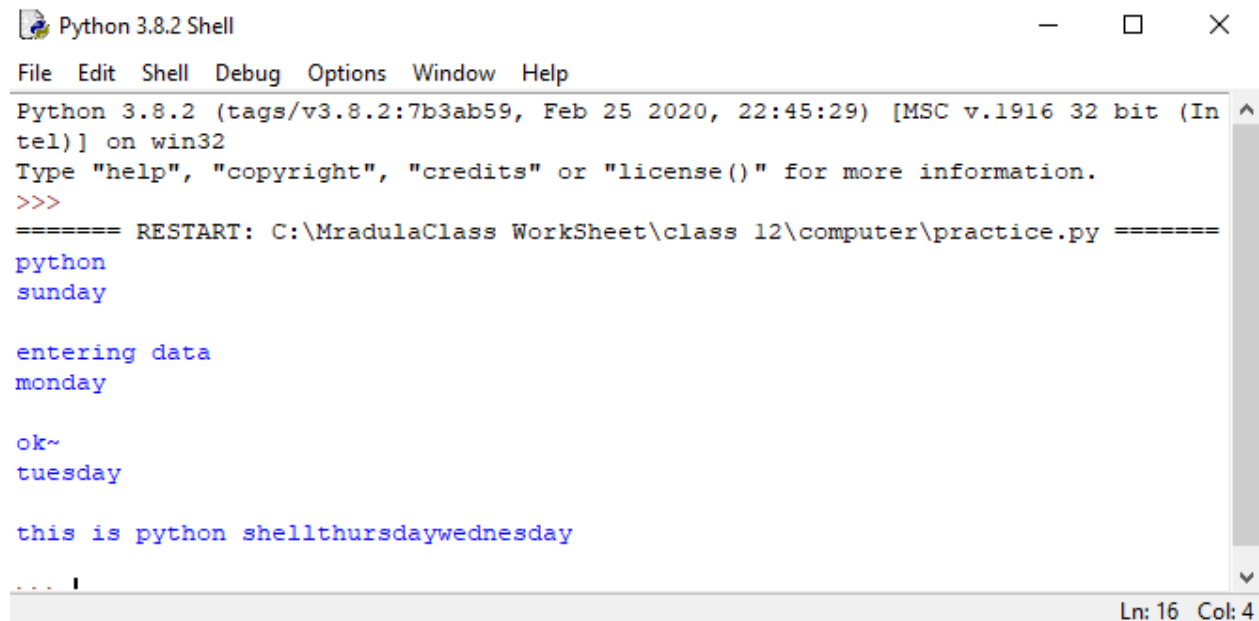
```
g=open("practice2.txt","r")
```

```
for l1,l2 in zip(f,g):
```

```
    print(l1+l2)
```

```
f.close()
```

```
g.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
python
sunday

entering data
monday

ok~
tuesday

this is python shellthursdaywednesday
... |
```

The status bar at the bottom right indicates "Ln: 16 Col: 4".

16. Python Program to Copy the Contents of One File into Another (practice to practice3)

```
f=open("practice.txt","r")

g=open("practice3.txt","w")

for i in f:

    g.write(i)

f.close()

g.close()

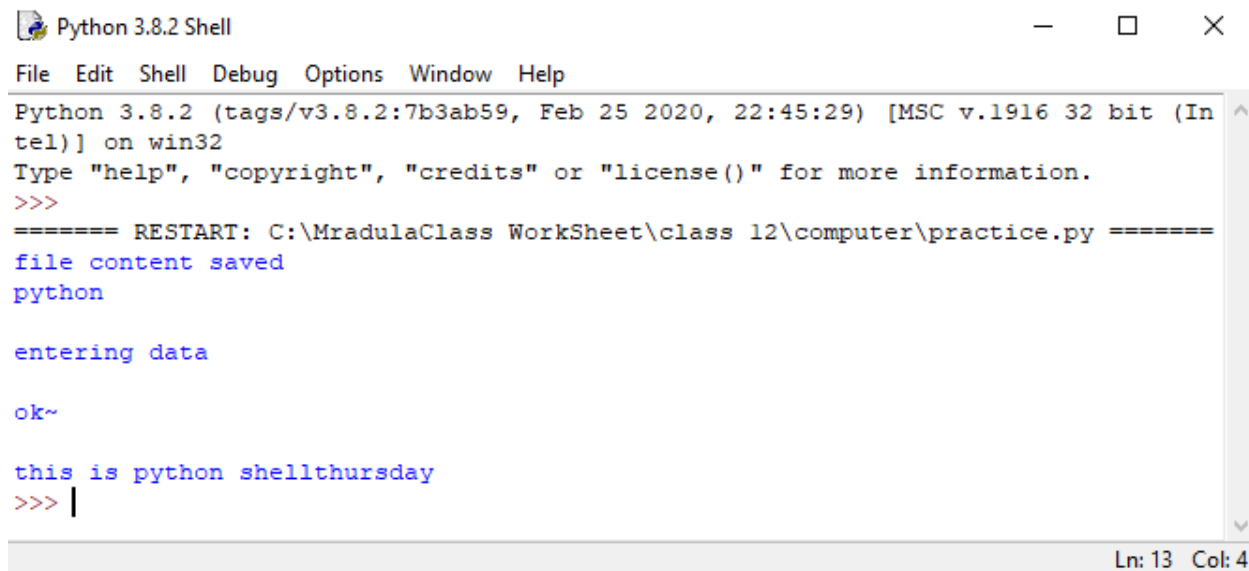
print("file content saved")

h=open("practice3.txt")

for j in h.readlines():

    print(j)

h.close()
```



The screenshot shows a Python 3.8.2 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help) and a title bar (Python 3.8.2 Shell). The window displays the output of a Python script that copies the contents of 'practice.txt' to 'practice3.txt'. The output includes the Python version, the file path, and the content of the files. The script is named 'practice.py' and is located at 'C:\MradulaClass WorkSheet\class 12\computer\practice.py'. The output shows the file content saved and the content of the new file, which is 'this is python shellthursday'.

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
file content saved
python

entering data

ok~

this is python shellthursday
>>> |
```

Ln: 13 Col: 4

17. Python Program to Search for a word in text file and print part of line[searching for flying in practice.txt]

```
f=open("practice.txt","r")
```

```
sword=input("enter word\t")
```

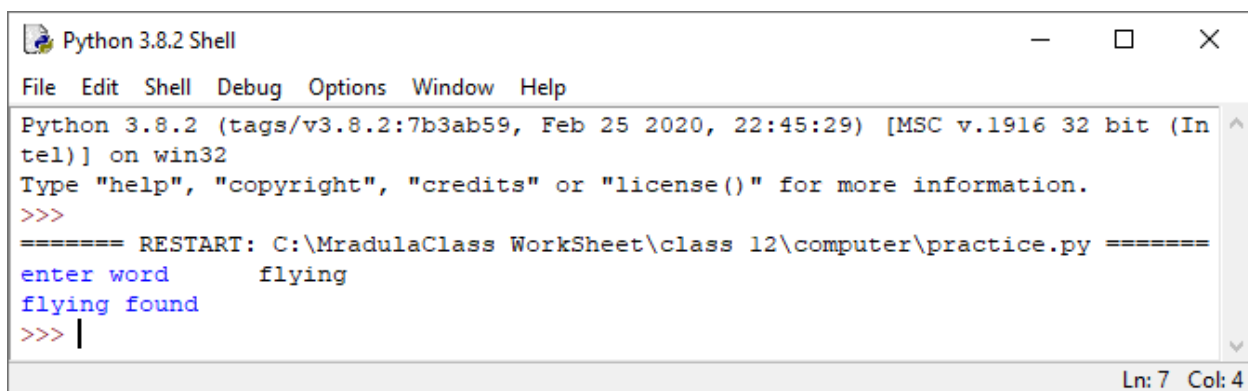
```
for i in f.readlines():
```

```
    for p in i.split():
```

```
        if sword in p:
```

```
            print(sword,"found")
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
enter word      flying
flying found
>>> |
```

The status bar at the bottom right indicates "Ln: 7 Col: 4".

18. Python Program to read character by character from a text file

```
f=open("practice.txt","r")
```

```
while 1:
```

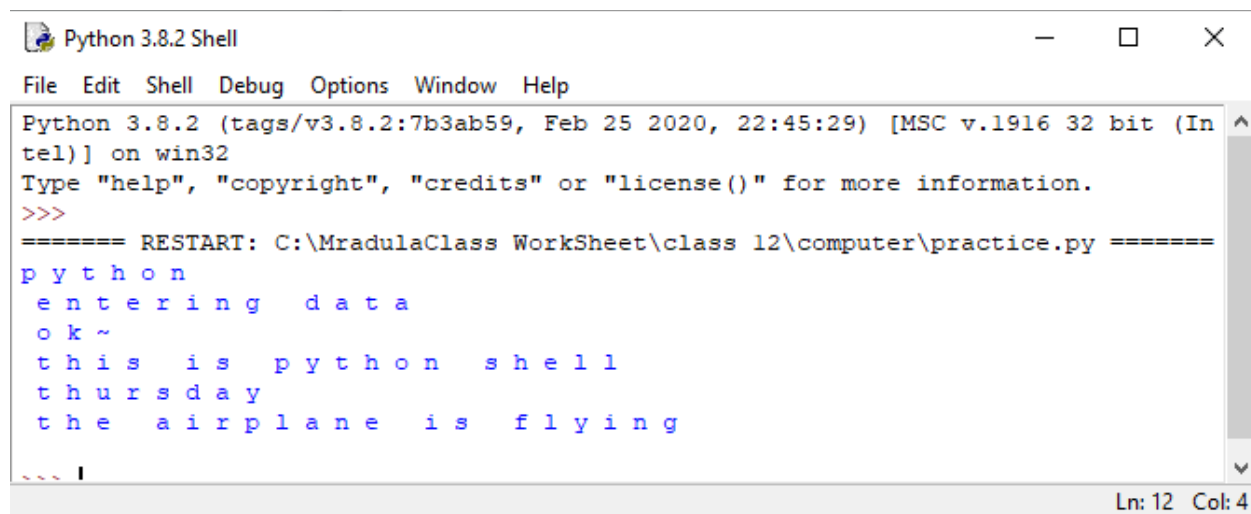
```
    char=f.read(1)
```

```
    if not char:
```

```
        break
```

```
    print(char,end=' ')
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
python
entering data
ok~
this is python shell
thursday
the airplane is flying
>>> |
```

Ln: 12 Col: 4

19. Python Program to convert file contents upper to lower and lower to upper case in the same opened file.

```
f=open("practice.txt","rb+")
```

```
while 1:
```

```
    char=f.read(1)
```

```
    if not char:
```

```
        break
```

```
    pos=f.tell()
```

```
    f.seek(pos-1,0)
```

```
    if char.isupper():
```

```
        f.write(char.lower())
```

```
    else:
```

```
        f.write(char.upper())
```

```
print("content changed")
```

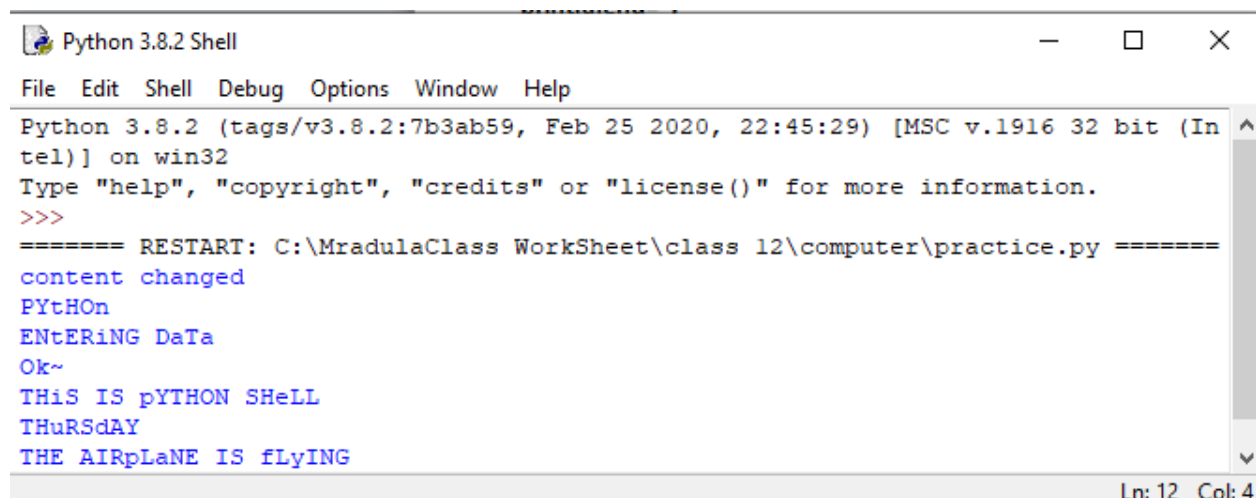
```
f.close()
```

```
g=open("practice.txt","r")
```

```
for a in g.readlines():
```

```
    print(a,end="")
```

```
f.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
content changed
PYtHOn
ENtERiNG DaTa
Ok~
THiS IS pYTHON SHeLL
THuRSdAY
THE AIRpLaNE IS fLyING
Ln: 12 Col: 4
```

20. WAP to find the lines in a text file that start with a digit/number.

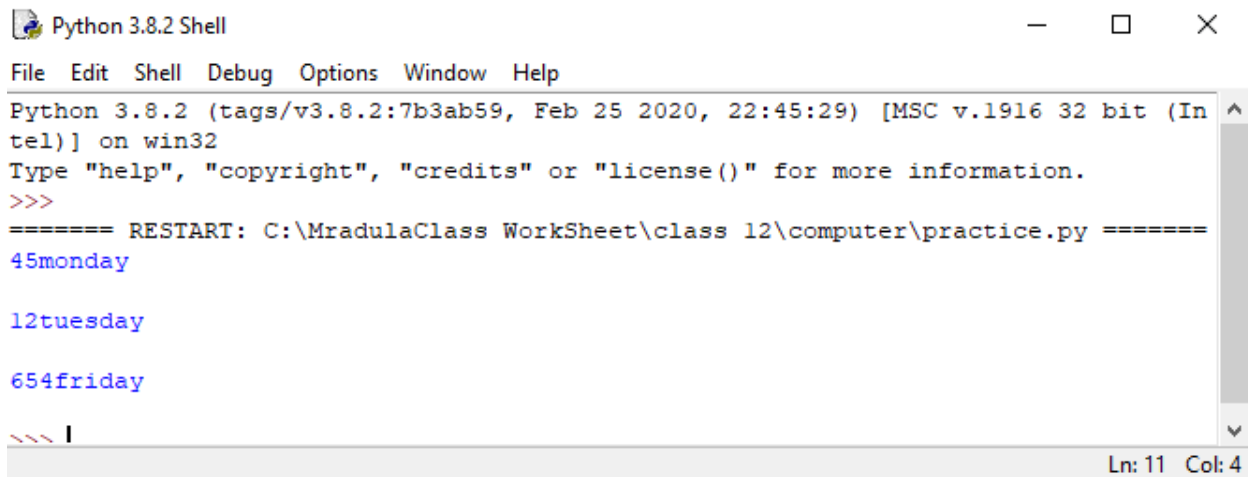
```
f=open("practice2.txt","r")
```

```
for l in f:
```

```
    if l[0].isnumeric():
```

```
        print(l)
```

```
f.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
45monday
12tuesday
654friday
>>>
```

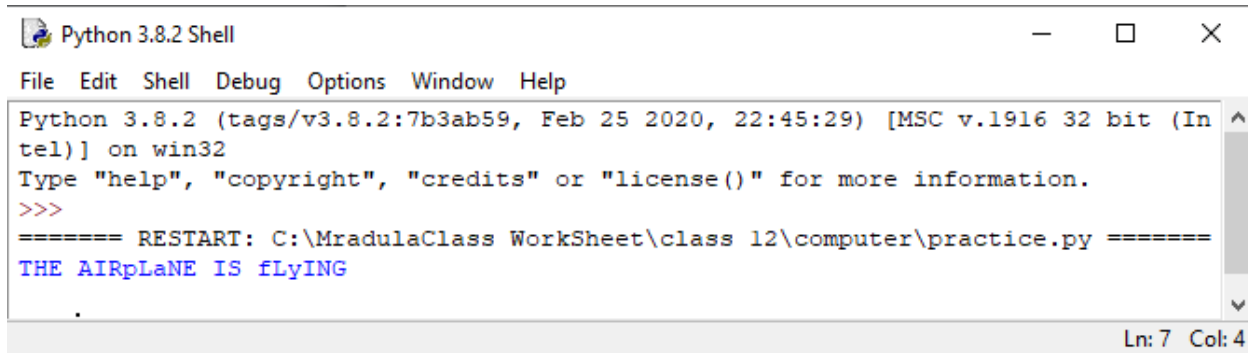
21. WAP to print the last line of a text file

with open("practice.txt","r") as f:

```
y=f.readlines()
```

```
print(y[-1])
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). The main text area displays the following output:

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
THE AIRpLaNE IS fLyING
.
```

The status bar at the bottom right indicates "Ln: 7 Col: 4".

22. WAP to print the longest line of a text file

```
long=""
```

```
x=0
```

```
f=open("practice.txt","r")
```

```
for l in f:
```

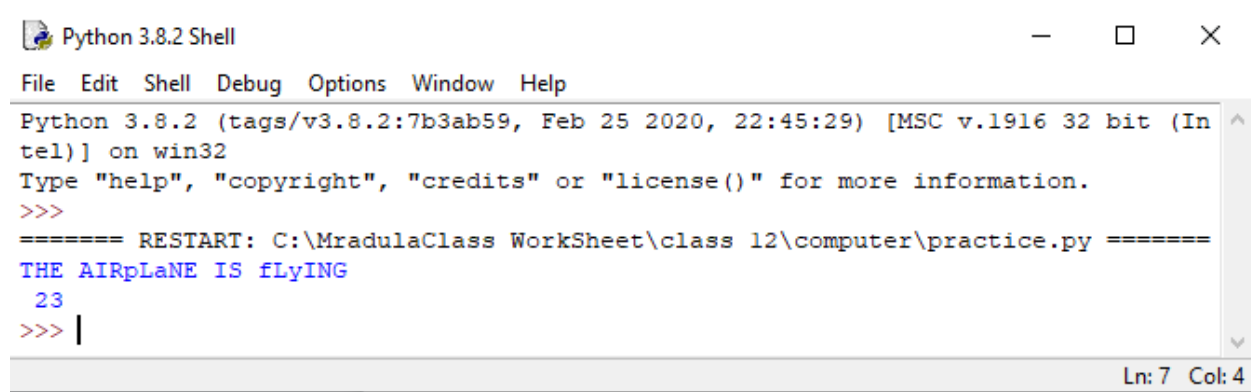
```
    if len(l)>len(long):
```

```
        x=len(l)
```

```
        long=l
```

```
print(long,x)
```

```
f.close()
```



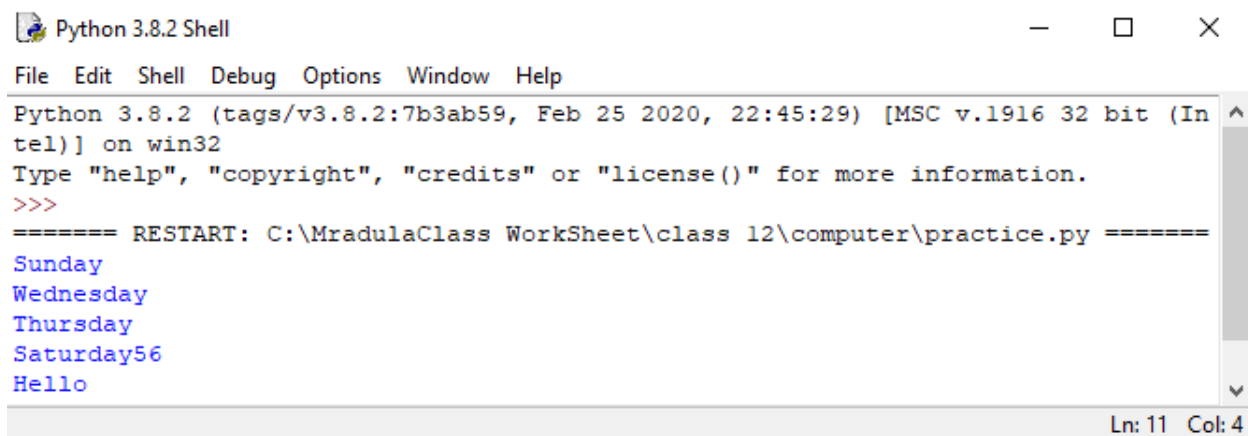
The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
THE AIRpLaNE IS fLyING
23
>>> |
```

The status bar at the bottom right indicates "Ln: 7 Col: 4".

23. WAP to copy the lines that start with Capital letters of a text file and paste it to a new file.

```
p=open("practice2.txt","r")  
q=open("practice3.txt","w+")  
for i in p:  
    if i[0].isupper():  
        q.write(i)  
p.close()  
q.flush()  
q.seek(0)  
print(q.read())  
q.close()
```



```
Python 3.8.2 Shell  
File Edit Shell Debug Options Window Help  
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====  
Sunday  
Wednesday  
Thursday  
Saturday56  
Hello  
Ln: 11 Col: 4
```

24. WAP that will read a text file practice.txt and displays all lines not starting with 'h'

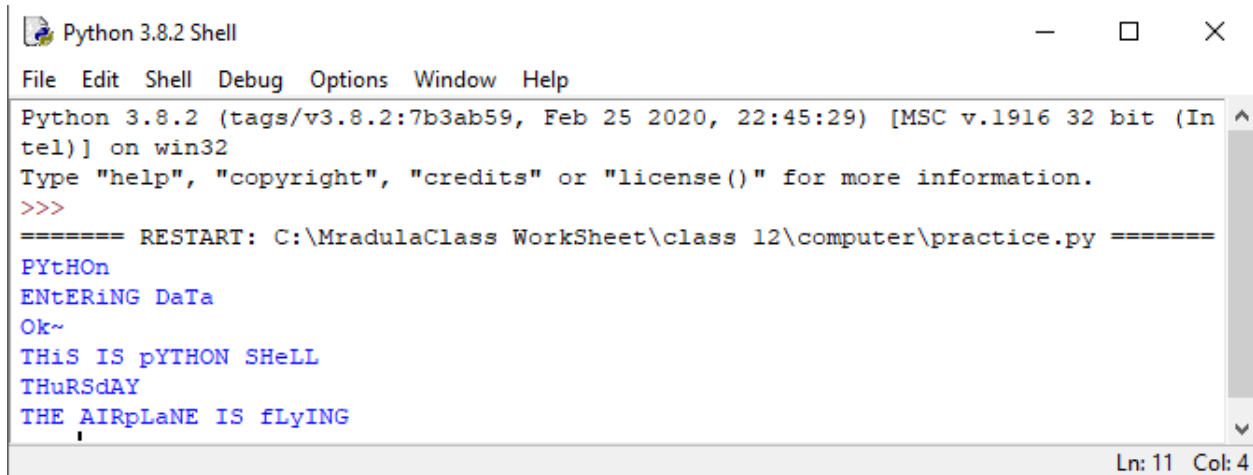
```
p=open("practice.txt","r")
```

```
for l in p:
```

```
    if l[0]!='h':
```

```
        print(l,end="")
```

```
p.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
PYtHOn
ENtERiNG DaTa
Ok~
THiS IS pYTHON SHeLL
THuRSdAY
THE AIRpLaNE IS fLyING
|
```

The status bar at the bottom right indicates "Ln: 11 Col: 4".

25. WAP that will read a text file practice.txt and will copy all those words whose length is four or more to another file practice3.txt

```
p=open("practice.txt","r")
```

```
q=open("practice3.txt","w")
```

```
for dat in p:
```

```
    dat=dat.split()
```

```
    for word in dat:
```

```
        if len(word)>4:
```

```
            q.write(word+"\n")
```

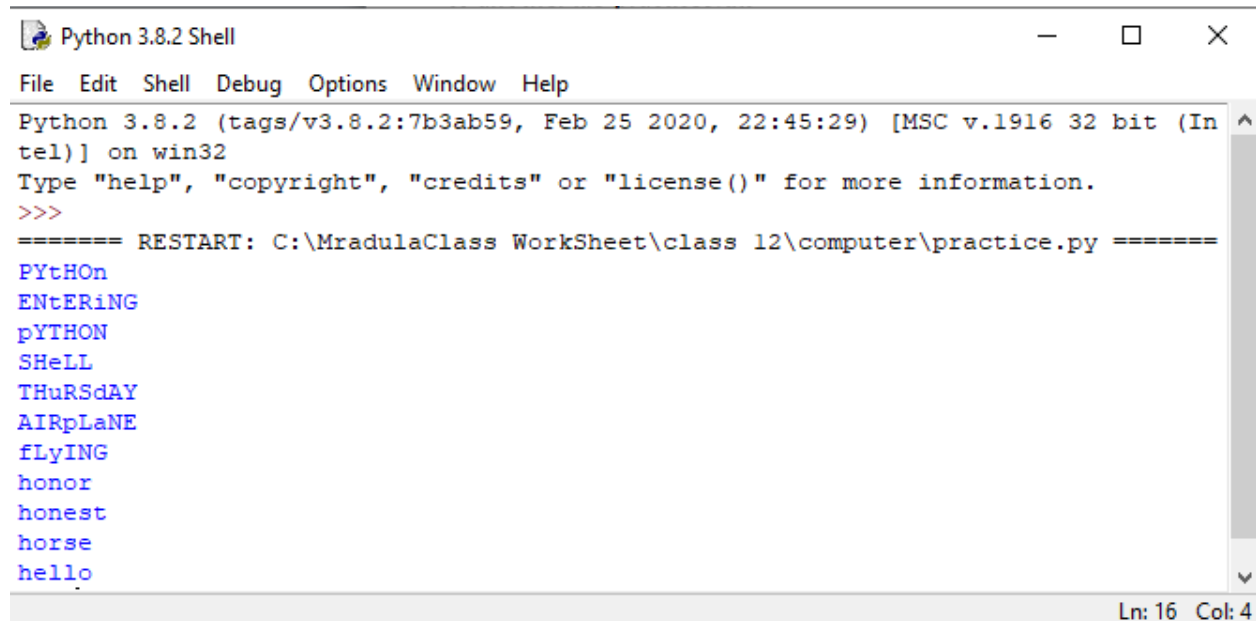
```
p.close()
```

```
q.close()
```

```
r=open("practice3.txt","r")
```

```
for i in r.readlines():
```

```
    print(i,end="")
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
PYtHOn
ENtERiNG
pYTHON
SHeLL
THuRSdAY
AIrPLaNE
fLyING
honor
honest
horse
hello
Ln: 16 Col: 4
```

26. WAP that will take a user defined file name. The program should copy all the data from this file to another file practice3.txt.

```
fname=input("enter file name")
```

```
fr=open(fname)
```

```
fw=open("practice3.txt","w")
```

```
dat=fr.read()
```

```
fw.write(dat)
```

```
fr.close()
```

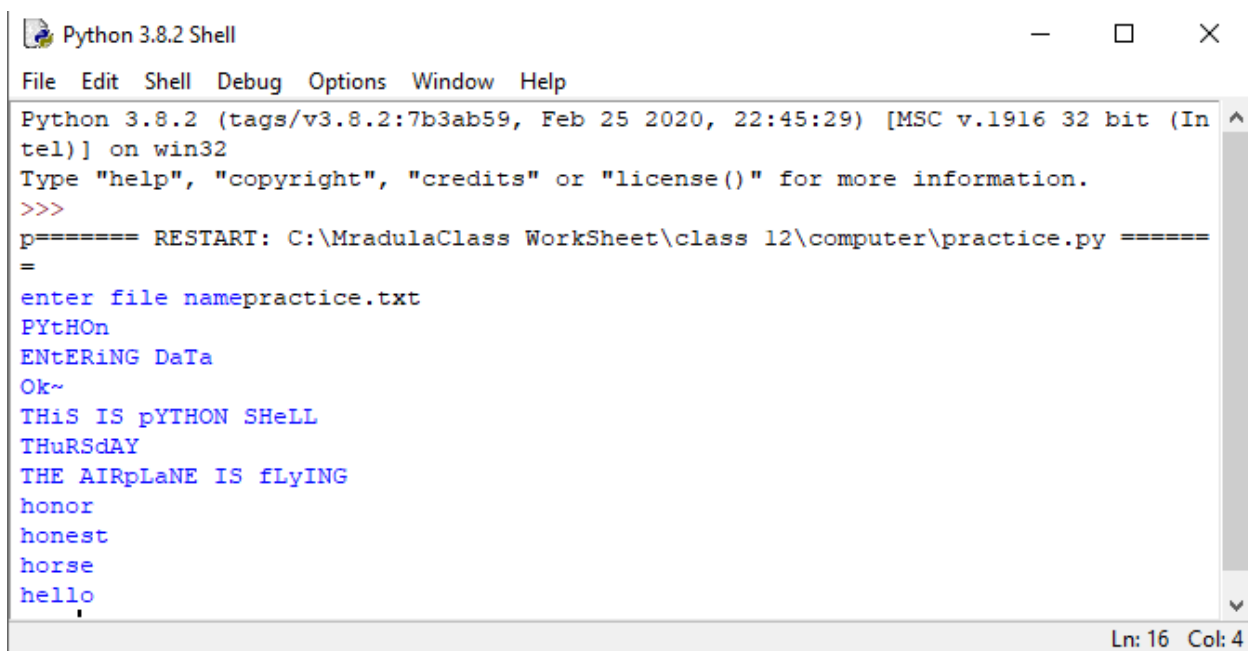
```
fw.close()
```

```
g=open("practice3.txt","r")
```

```
for i in g.readlines():
```

```
    print(i,end="")
```

```
g.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
p===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
=
enter file namepractice.txt
PYtHOn
ENtERiNG DaTa
Ok~
THiS IS pYTHON SHeLL
THuRSdAY
THE AIRpLaNE IS fLyING
honor
honest
horse
hello
|
```

The status bar at the bottom right indicates "Ln: 16 Col: 4".

27. WAP to copy all the words starting with 'F' from the file to another text file practice3.txt.

```
p=open("practice.txt","r")

q=open("practice3.txt","w")

dat=p.read()

dat=dat.split()

for w in dat:

    if w[0]=='F':

        q.write(w+"\n")

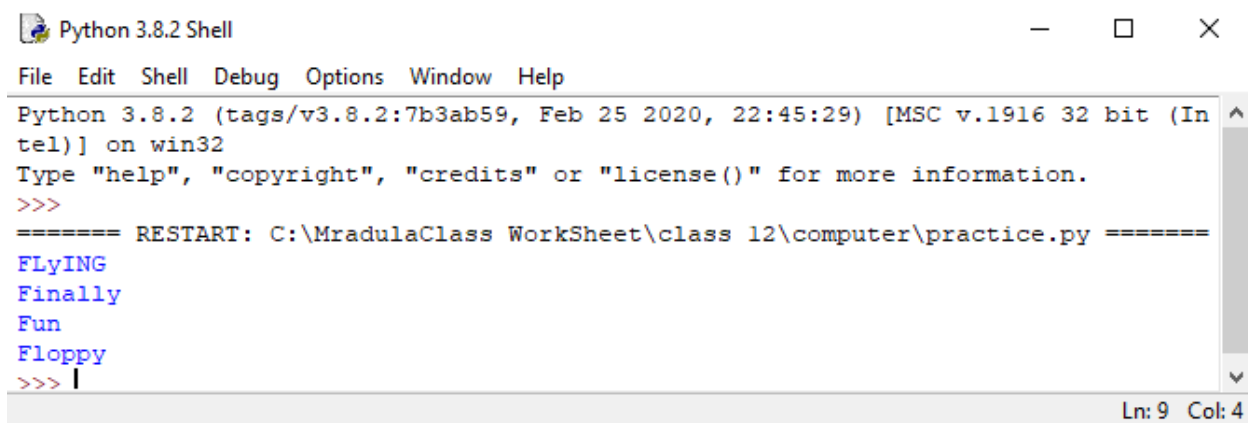
p.close()

q.close()

g=open("practice3.txt","r")

for i in g.readlines():

    print(i,end="")
```



Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====

FLyING

Finally

Fun

Floppy

>>> |

Ln: 9 Col: 4

28. WAP to copy all file lines that start with a lowercase letter from the notes.txt file into info.txt

```
p=open("practice.txt","r")
```

```
q=open("practice3.txt","w")
```

```
dat=p.readlines()
```

```
for l in dat:
```

```
    if l[0].islower():
```

```
        q.write(l)
```

```
p.close()
```

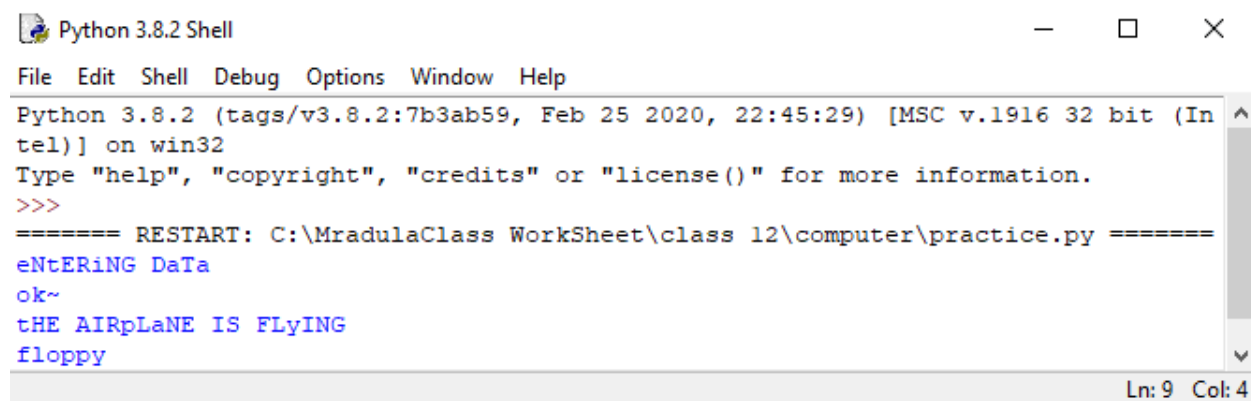
```
q.close()
```

```
g=open("practice3.txt","r")
```

```
for i in g.readlines():
```

```
    print(i,end="")
```

```
g.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
eNtERiNG DaTa
ok~
tHE AIRpLaNE IS FLYING
floppy
Ln: 9 Col: 4
```

29. A text file contains alphanumeric text(say practice2.txt). Write a program that read this text file and sends only the numbers from this file to other file.

```
p=open("practice.txt","r")

q=open("practice3.txt","w")

dat=p.read()

for ch in dat:

    if ch.isnumeric():

        q.write(ch+" ")

p.close()

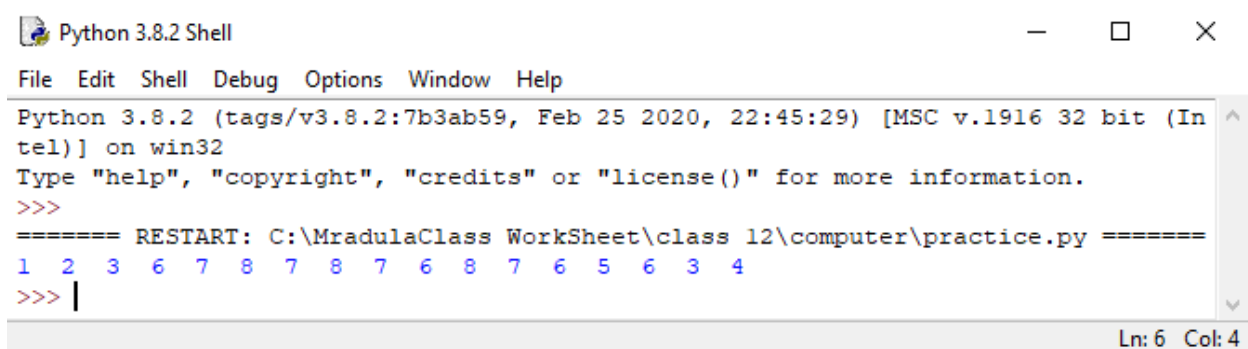
q.close()

g=open("practice3.txt","r")

for i in g.readlines():

    print(i,end="")

g.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
1 2 3 6 7 8 7 8 7 6 8 7 6 5 6 3 4
>>> |
```

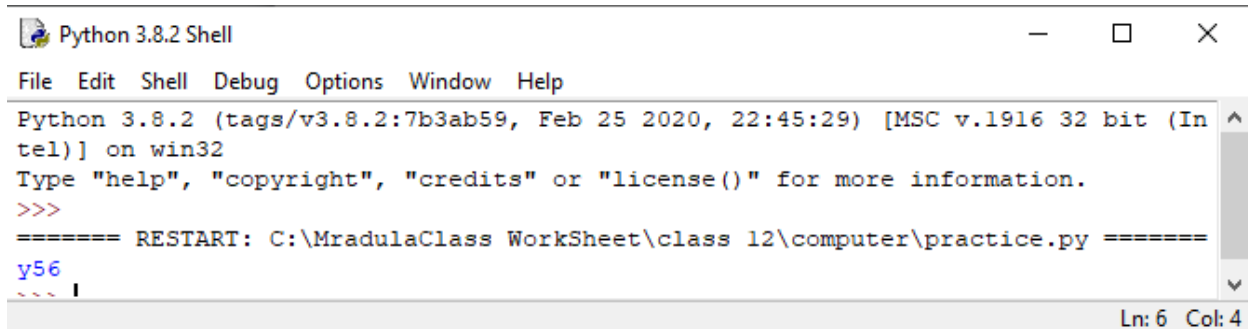
Ln: 6 Col: 4

30. WAP in Python to display the last 3 characters of a text file “practice.TXT”.

```
p=open("practice.txt","r")
```

```
print(p.read()[-3:])
```

```
p.close()
```



The screenshot shows a Python 3.8.2 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). The console output displays the Python version and build information, followed by a restart message for the file 'C:\MradulaClass WorkSheet\class 12\computer\practice.py'. The script is currently at line 56, column 4, indicated by a blue cursor and the status bar at the bottom right.

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
y56
>>> |
```

Ln: 6 Col: 4

31. Assuming that a text file named practice.TXT already contains some text written into it, write a function named vowelwords(), that reads the file practice.TXT and creates a new file named practice3.TXT, which shall contain only those words from the file practice.TXT which don't start with an uppercase vowel (i.e., with 'A', 'E', 'I', 'O', 'U').

```
p=open("practice.txt","r")

q=open("practice3.txt","w+")

w=p.read().split()

for ws in w:

    if ws[0]!='A' and ws[0]!='E' and ws[0]!='I' and ws[0]!='O' and ws[0]!='U':

        q.write(ws+"\n")

        q.flush()

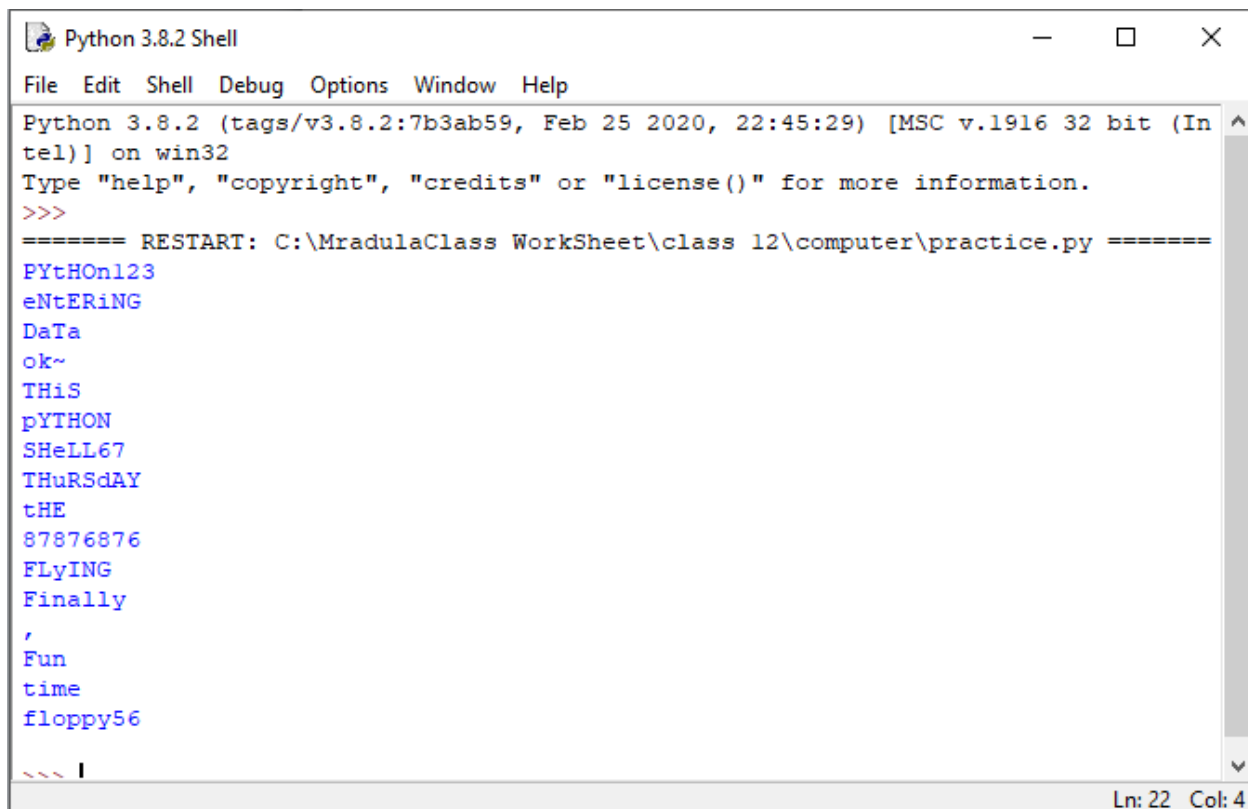
p.close()

q.seek(0)

dat=q.read()

print(dat)

q.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
PyThOn123
eNtERiNG
DaTa
ok~
THiS
pYTHON
SHeLL67
THuRSdAY
tHE
87876876
FLyING
Finally
'
Fun
time
floppy56
>>> |
Ln: 22 Col: 4
```

32. Assuming that a text file named TEXT1.TXT already contains some text written into it, write a function named vowelwords(), that reads the file TEXT1.TXT and creates a new file named TEXT2.TXT, which shall contain only those words from the file TEXT1.TXT which start with an uppercase vowel (i.e., with 'A', 'E', 'I', 'O', 'U').

```
p=open("practice.txt","r")
```

```
q=open("practice3.txt","w+")
```

```
w=p.read().split()
```

```
for ws in w:
```

```
    if not ws[0]!='A' and ws[0]!='E' and ws[0]!='I' and ws[0]!='O' and ws[0]!='U':
```

```
        q.write(ws+"\n")
```

```
    q.flush()
```

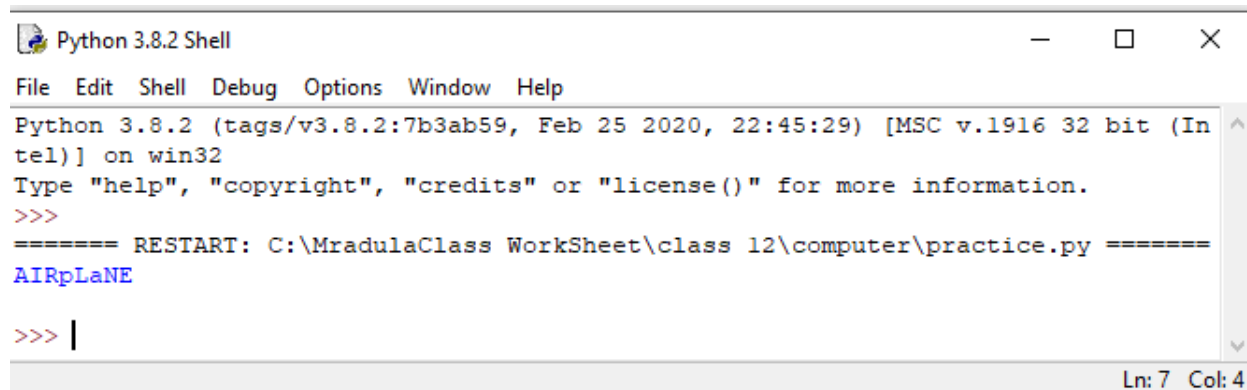
```
p.close()
```

```
q.seek(0)
```

```
dat=q.read()
```

```
print(dat)
```

```
q.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
AIRpLaNE
>>> |
```

Ln: 7 Col: 4

33. Write a function in Python to count the number of lines ending with a vowel from a text file "practice.TXT".

```
p=open("practice.txt","r")

v='AEIOUaeiou'

ctr=0

s=p.readline()

while s!="":

    s=s[-2:-1]

    if s in v:

        ctr+=1

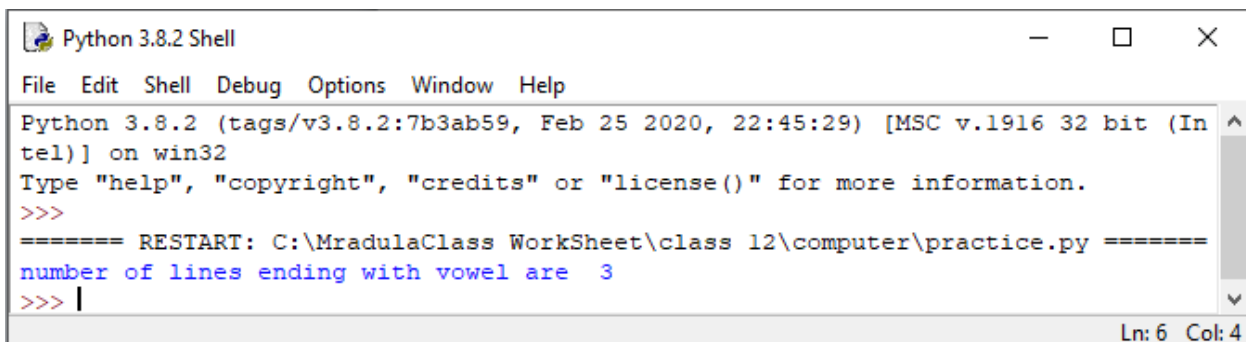
    s=p.readline()

    if s=="":

        break

p.close()

print("number of lines ending with vowel are ",ctr)
```



The screenshot shows a Python 3.8.2 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). The command prompt shows the script path and the output of the program. The output is 'number of lines ending with vowel are 3'.

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
number of lines ending with vowel are 3
>>> |
```

Ln: 6 Col: 4

34. Write a function to count and display the number of blanks present in a text file named "practice.TXT".

```
p=open("practice.txt","r")
```

```
ctr=0
```

```
for l in p:
```

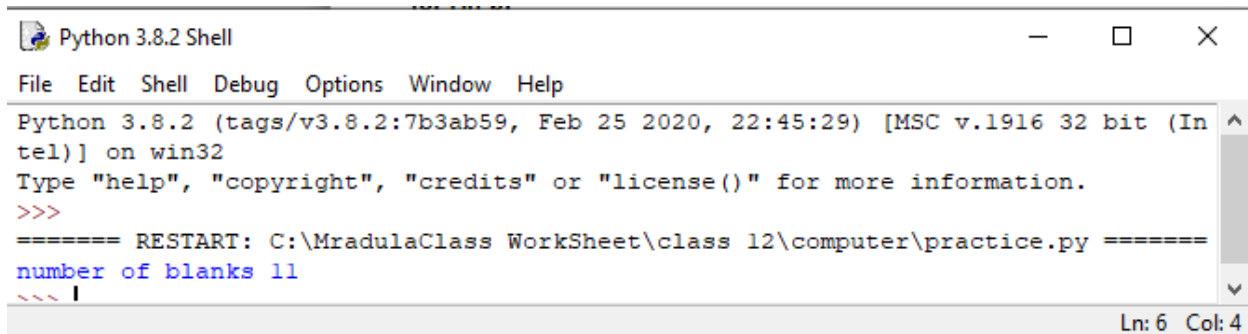
```
    for ch in l:
```

```
        if ch==' ':
```

```
            ctr+=1
```

```
print("number of blanks",ctr)
```

```
p.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (In
tel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
number of blanks 11
>>> |
```

Ln: 6 Col: 4

35. Write a function in Python to count and display the number of words starting with alphabet 'A' or 'a' present in a text file "practice.TXT".

```
p=open("practice.txt","r")

ctr=0

for l in p:

    w=l.split()

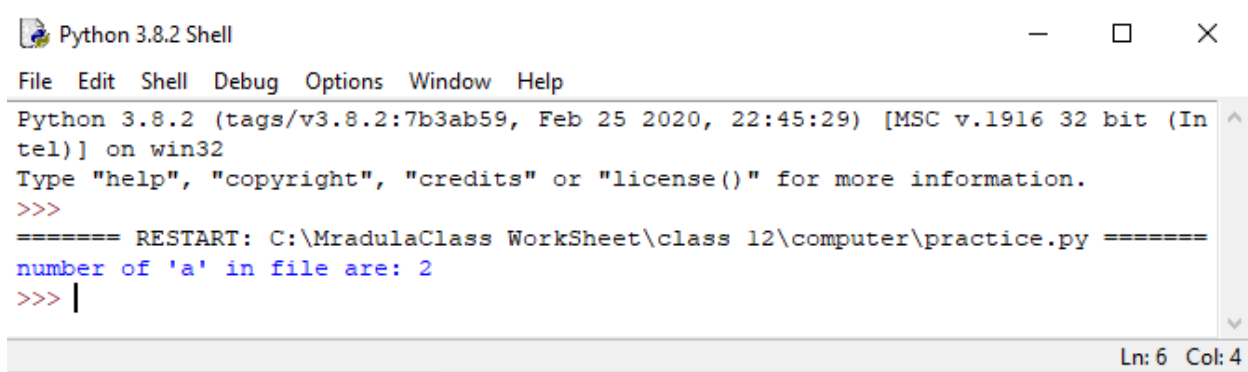
    for ws in w:

        if ws[0]=='a' or ws[0]=='A':

            ctr+=1

print("number of \'a\' in file are:",ctr)

p.close()
```



Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====

number of 'a' in file are: 2

>>> |

Ln: 6 Col: 4

36. Write a function show(n) that will display the nth character from the existing file "practice.TXT". If the total characters present are less than n, then it should display "invalid n".

def show(n):

 p=open("practice.txt","r")

 dat=p.read()

 l=len(dat)

 if l<n:

 print("invalid number")

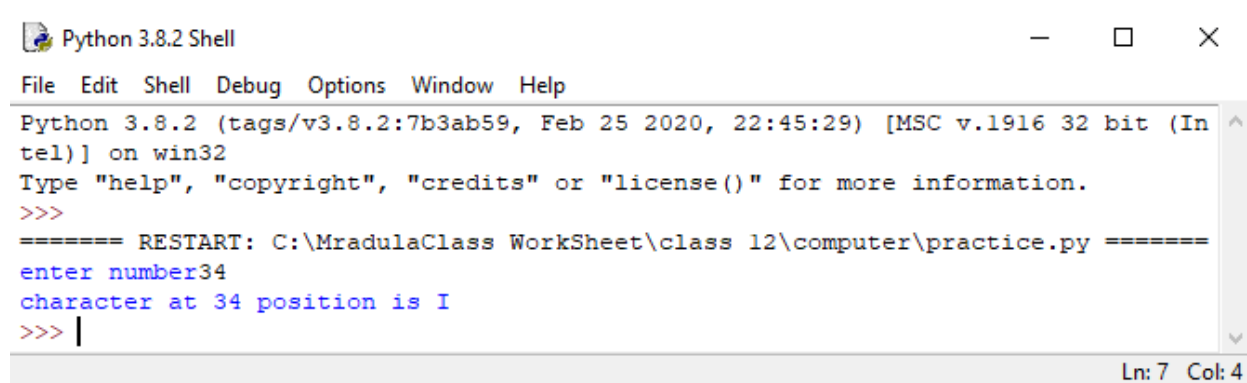
 else:

 print("character at",n,"position is",dat[n-1])

 p.close()

t=int(input("enter number"))

show(t)



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
enter number34
character at 34 position is I
>>> |
```

Ln: 7 Col: 4

37. Write a function in Python that counts the number of "is" or "in" words present in a text file "practice.TXT".

def show():

ctr,ctrr=0,0

f=open("practice.txt","r")

for l in f:

words=l.split()

for w in words:

if w.casefold()=='is':

ctr+=1

elif w.casefold()=='in':

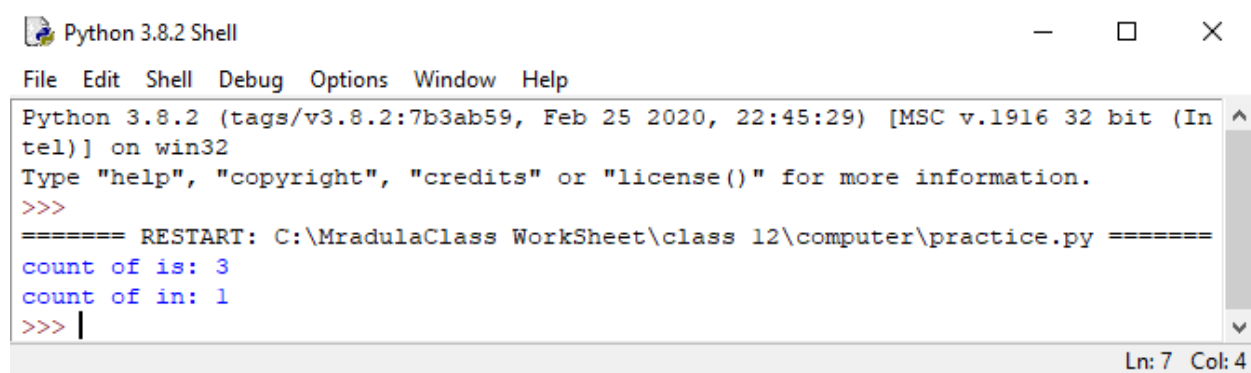
ctrr+=1

f.close()

print("count of is:",ctr)

print("count of in:",ctrr)

show()



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
count of is: 3
count of in: 1
>>> |
```

Ln: 7 Col: 4

38. Write a function EUCount() in Python, which should read each character of a text file practice.TXT, should count and display the occurrences of alphabets E and U (including small cases e and u too).

```
def eucount():
```

```
    ctr,ctrr=0,0
```

```
    f=open("practice.txt","r")
```

```
    for l in f:
```

```
        for ch in l:
```

```
            if ch=='e' or ch=='E':
```

```
                ctr+=1
```

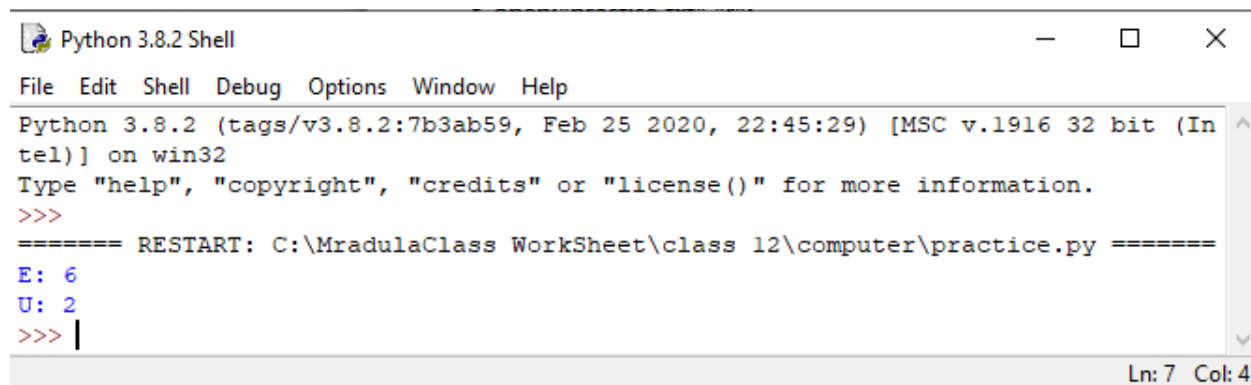
```
            elif ch=='u' or ch=='U':
```

```
                ctrr+=1
```

```
    f.close()
```

```
    print("E:",ctr,"\nU:",ctrr)
```

```
eucount()
```

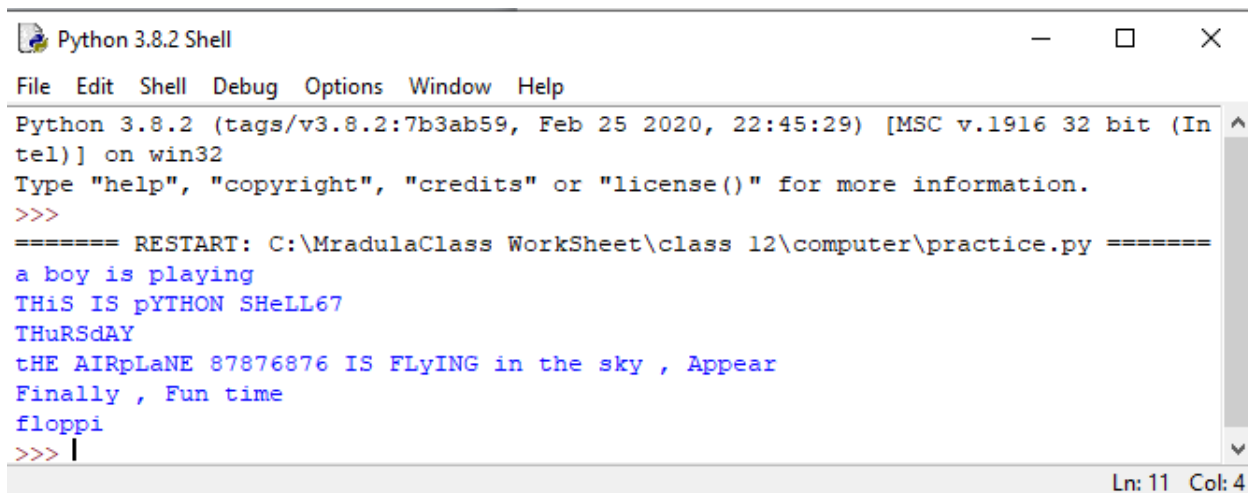


```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
E: 6
U: 2
>>> |
```

Ln: 7 Col: 4

39. Write a function in Python which accepts two text file names as parameters. The function should copy the contents of first file into the second file in such a way that all multiple consecutive spaces are replaced by a single space.

```
def space(f1,f2):  
    p=open(f1,"r")  
    q=open(f2,"w")  
    for l in p:  
        words=l.split()  
        for w in words:  
            q.write(w+" ")  
        q.write("\n")  
    p.close()  
    q.close()  
    g=open("practice.txt","r")  
    for i in g.readlines():  
        print(i,end="")  
space("practice.txt","practice3.txt")
```



```
Python 3.8.2 Shell  
File Edit Shell Debug Options Window Help  
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====  
a boy is playing  
THiS IS pYTHON SHeLL67  
THuRSdAY  
tHE AIRpLaNE 87876876 IS FLyING in the sky , Appear  
Finally , Fun time  
floppi  
>>> |  
Ln: 11 Col: 4
```

40. Write a function in Python to input a multi-line string from the user and write this string into a file named 'practice3.txt'. Assume that the file has to be created.

```
import sys
```

```
s=sys.stdin.read()
```

```
f=open("practice3.txt","w")
```

```
f.write(s)
```

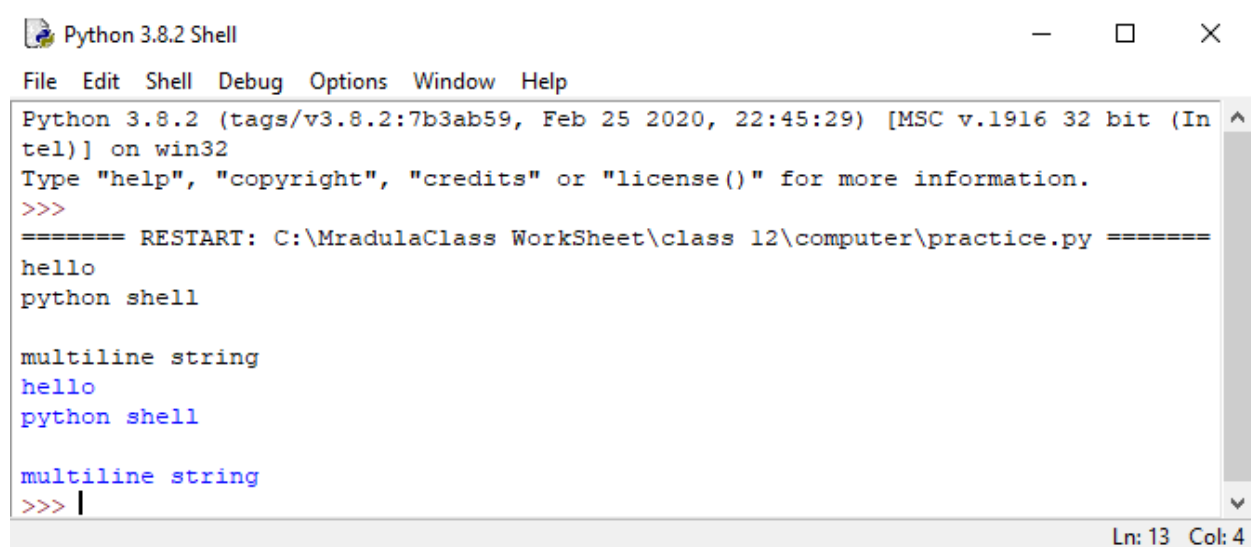
```
f.close()
```

```
g=open("practice3.txt","r")
```

```
for i in g.readlines():
```

```
    print(i,end="")
```

```
g.close()
```



The screenshot shows a 'Python 3.8.2 Shell' window. The title bar includes standard window controls. The menu bar contains 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The main text area displays the following content: 'Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32', 'Type "help", "copyright", "credits" or "license()" for more information.', and a prompt '>>>'. Below this is a separator line '===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py ====='. The script's output is shown: 'hello' and 'python shell' on separate lines, followed by 'multiline string' and 'hello' on separate lines, and 'python shell' and 'multiline string' on separate lines. The prompt '>>>' is followed by a cursor. The status bar at the bottom right shows 'Ln: 13 Col: 4'.

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
hello
python shell

multiline string
hello
python shell

multiline string
>>> |
```

Ln: 13 Col: 4

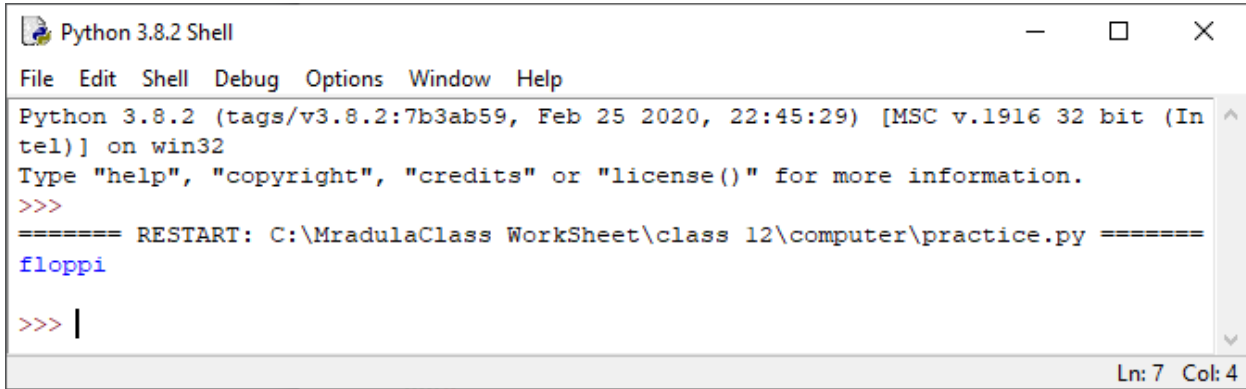
41. Write a program to display the last line of a text file.

with open("practice.txt","r") as f:

for ll in f:

pass

print(ll)



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
floppi
>>> |
```

Ln: 7 Col: 4

42. Write a Python function to read and display a text file 'practice.TXT'. At the end display number of lowercase

def read():

with open("practice.txt","r") as f:

print("file contents:\n",f.read())

f.seek(0)

L,u,d=0,0,0

for line in f:

for ch in line:

if ch.isupper():

u+=1

elif ch.islower():

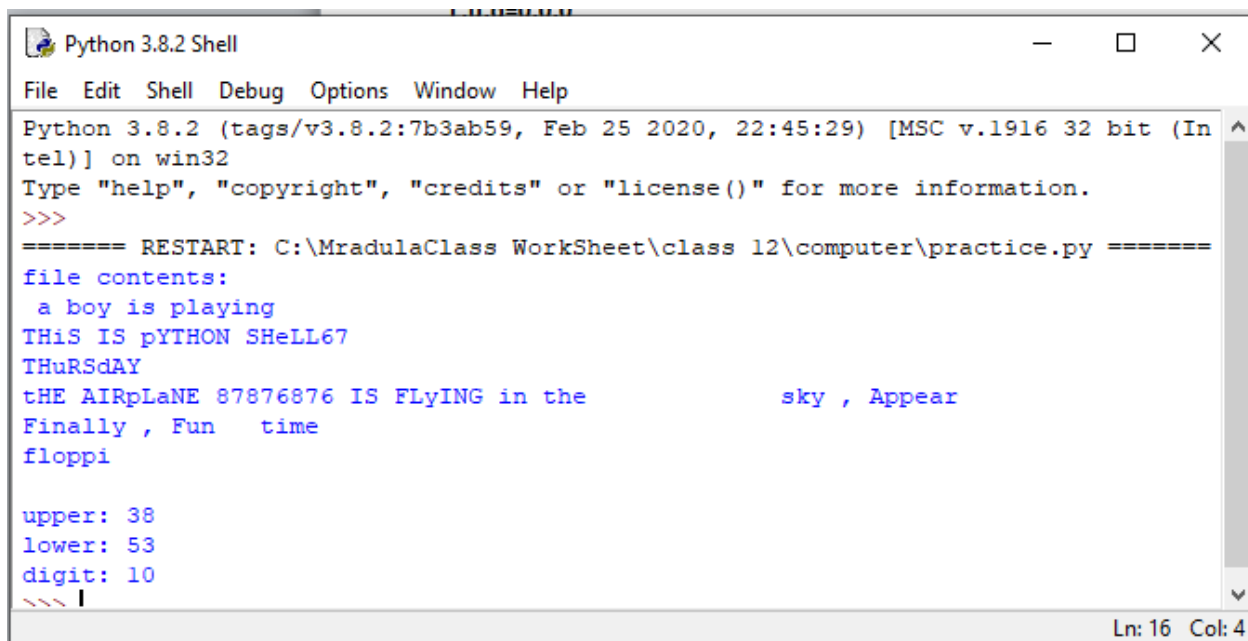
L+=1

elif ch.isnumeric():

d+=1

print("upper:",u,"\nlower:",L,"\ndigit:",d)

read()



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
file contents:
a boy is playing
THiS IS pYTHON SHeLL67
THuRSdAY
tHE AIRpLaNE 87876876 IS FLYING in the sky , Appear
Finally , Fun time
floppi

upper: 38
lower: 53
digit: 10
>>> |
```

Ln: 16 Col: 4

43. Write a Python function to display the size of a text file after removing all the white spaces (blanks, tabs, and EOL characters).

def read():

 with open("practice.txt","r") as f:

 print("file contents:\n",f.read())

 f.seek(0)

 size=0

 for line in f:

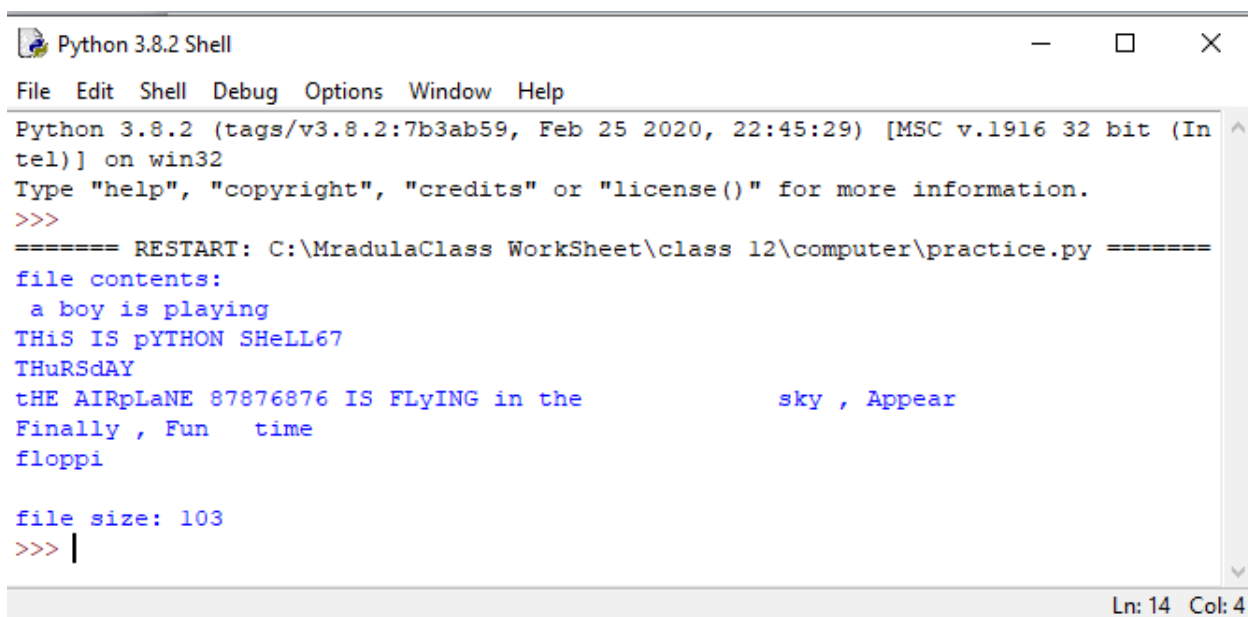
 words=line.split()

 for word in words:

 size+=len(word)

 print("file size:",size)

read()



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
file contents:
 a boy is playing
THiS IS pYTHON SHeLL67
THuRSdAY
tHE AIRpLaNE 87876876 IS FLyING in the sky , Appear
Finally , Fun time
floppi

file size: 103
>>> |
```

Ln: 14 Col: 4

44. Write a Python program to read last 2 lines of a text file.

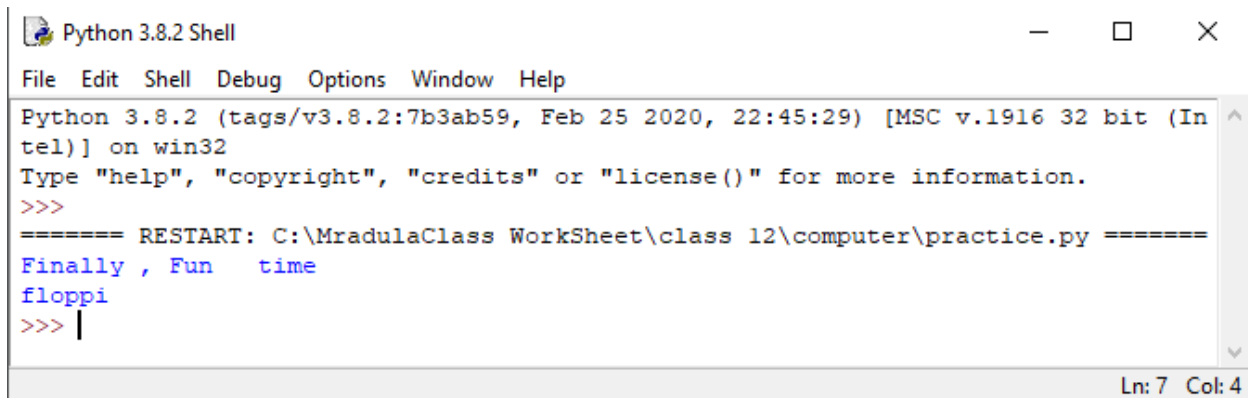
```
def llread(fname,N):
```

```
    with open(fname,"r") as f:
```

```
        for line in (f.readlines()[::-N:]):
```

```
            print(line,end="")
```

```
llread("practice.txt",2)
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
Finally , Fun time
floppi
>>> |
```

Ln: 7 Col: 4

45. Write a Python program to print from line 2 to line 5 (assuming the file has more than 5 lines)

with open("practice.txt") as f:

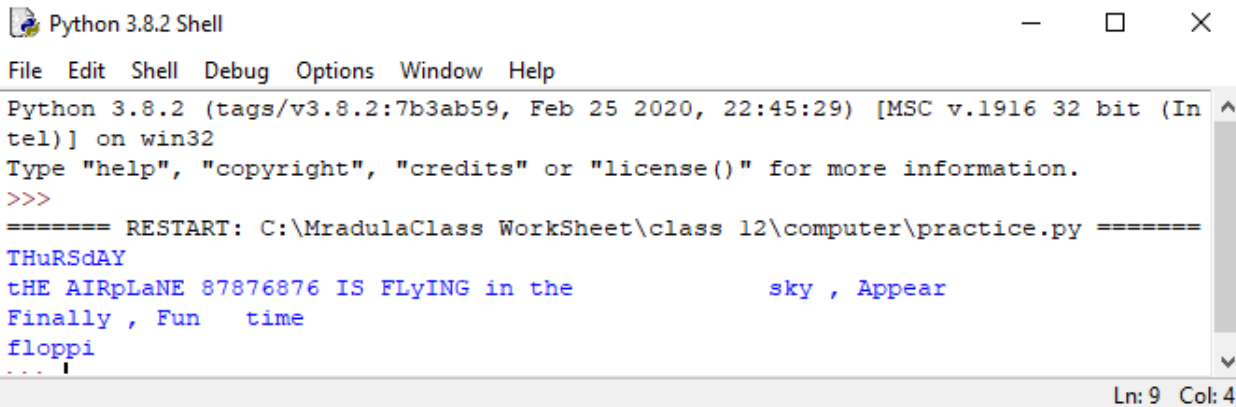
```
ctr=0
```

```
for line in (f.readlines()):
```

```
    if 2<=ctr<=5:
```

```
        print(line,end="")
```

```
    ctr+=1
```



```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
THuRSdAY
tHE AIRpLaNE 87876876 IS FLyING in the          sky , Appear
Finally , Fun    time
floppi
... |
```

Ln: 9 Col: 4

46. Write a Python program to insert a new line at the beginning of the file

```
f=open("practice.txt","r")

g=open("practice3.txt","w+")

print("content before:\n*")

for j in f.readlines():

    print(j,end="")

    g.write(j)

f.close()

g.close()

h=open("practice.txt","w")

i=open("practice3.txt","r")

h.write("\n")

h.flush()

print("\ncontent after:\n*")

for k in i.readlines():

    h.write(k)

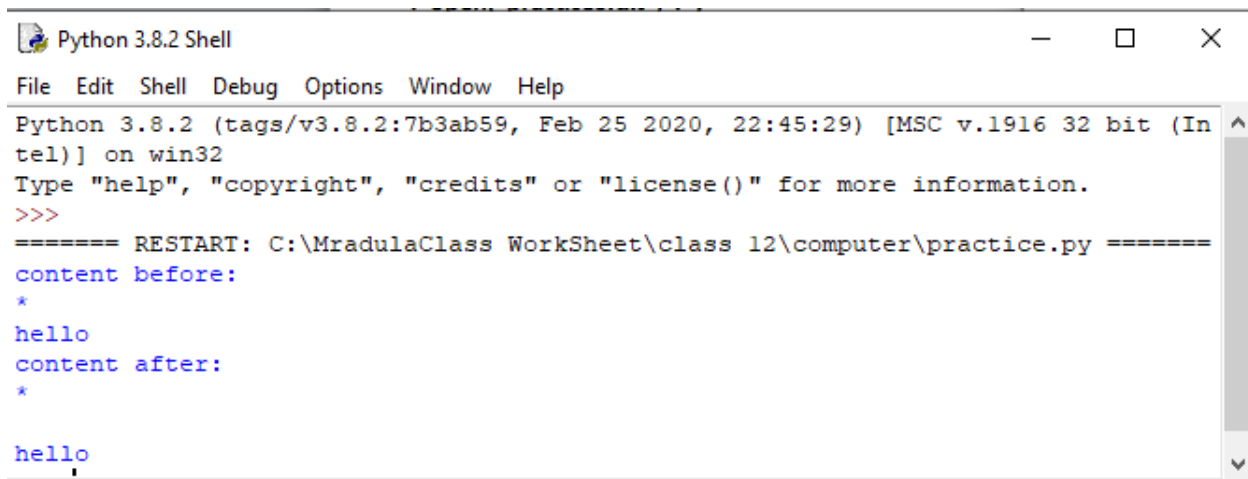
h.close()

i.close()

fin=open("practice.txt","r")

for cb in fin.readlines():

    print(cb,end="")
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
content before:
*
hello
content after:
*
hello
```

47. Write a Python program to move the contents of a file to a list

```
f=open("practice.txt","r")
```

```
l=[]
```

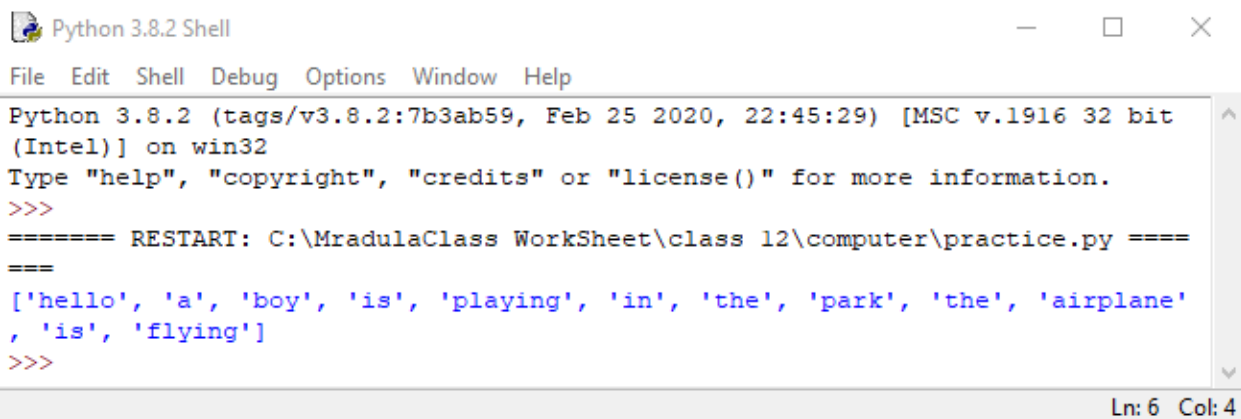
```
for i in f.readlines():
```

```
    for ch in i.split():
```

```
        l+=[ch]
```

```
f.close()
```

```
print(l)
```



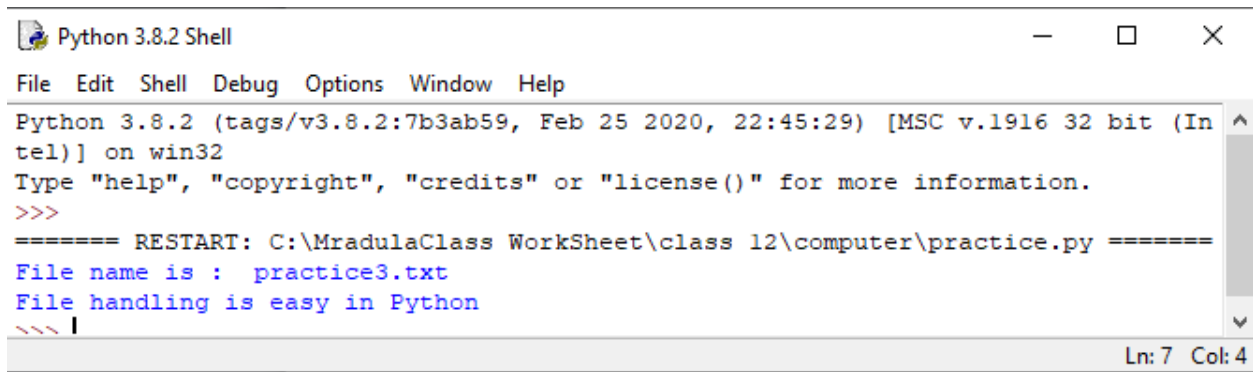
The screenshot shows a Python 3.8.2 Shell window with a menu bar (File, Edit, Shell, Debug, Options, Window, Help). The command prompt displays the following text:

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
>>>
['hello', 'a', 'boy', 'is', 'playing', 'in', 'the', 'park', 'the', 'airplane', 'is', 'flying']
>>>
```

The status bar at the bottom right indicates "Ln: 6 Col: 4".

48. What Will Be the Output of the Following Code Snippet?

```
fo = open("practice3.txt", "w+")  
  
print ("File name is : ", fo.name)  
  
seq="File handling is easy in Python"  
  
fo.writelines(seq)  
  
fo.seek(0,0)  
  
for line in fo:  
  
    print (line)  
  
fo.close()
```



Python 3.8.2 Shell

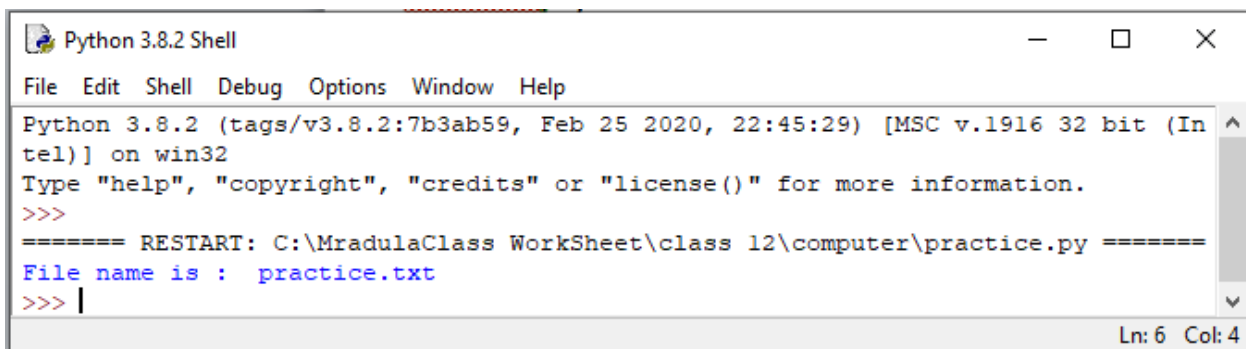
File Edit Shell Debug Options Window Help

Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
File name is : practice3.txt
File handling is easy in Python
>>> |

Ln: 7 Col: 4

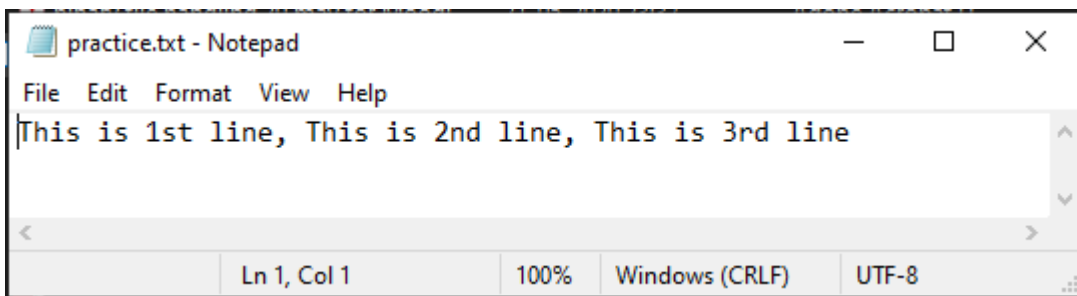
49. What Will Be The Output Of The Following Code Snippet?

```
fo = open("practice.txt", "w+")  
  
print ("File name is : ", fo.name)  
  
txt = "This is 1st line,"  
  
fo.writelines(txt)  
  
seq = " This is 2nd line, This is 3rd line"  
  
fo.seek(0, 2)  
  
fo.writelines(seq)  
  
fo.seek(0,0)  
  
line = fo.readlines()
```



```
Python 3.8.2 Shell  
File Edit Shell Debug Options Window Help  
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====  
File name is : practice.txt  
>>> |
```

Ln: 6 Col: 4



```
practice.txt - Notepad  
File Edit Format View Help  
This is 1st line, This is 2nd line, This is 3rd line  
Ln 1, Col 1 100% Windows (CRLF) UTF-8
```

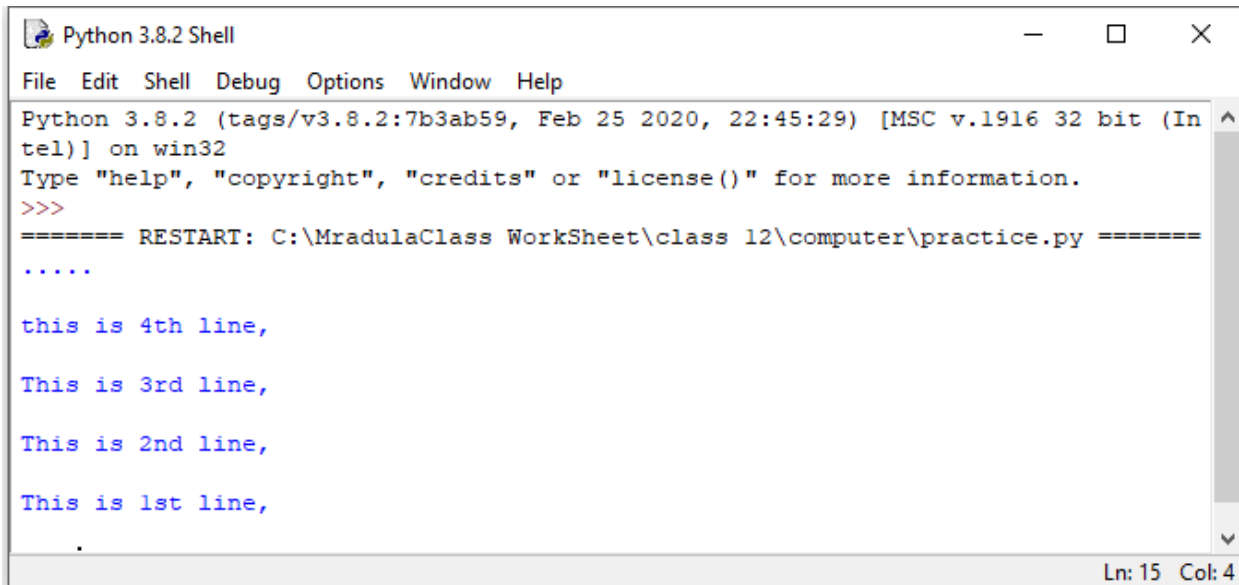
50. Write a Python Program to Read the Contents of a File in Reverse order i.e. your program should read last line..then second last line and so on till the first line

```
f=open("practice.txt","r")
```

```
for i in f.readlines()[::-1]:
```

```
    print(i)
```

```
f.close()
```



The screenshot shows a Python 3.8.2 Shell window with the following content:

```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
.....
this is 4th line,
This is 3rd line,
This is 2nd line,
This is 1st line,
.
```

The status bar at the bottom right indicates "Ln: 15 Col: 4".

51. Write a Python Program to Read a File and Capitalize the First Letter of Every Word in the File.

```
f=open("practice.txt","r")
```

```
str=""
```

```
for i in f.readlines():
```

```
    for j in i.split():
```

```
        if j[0].islower():
```

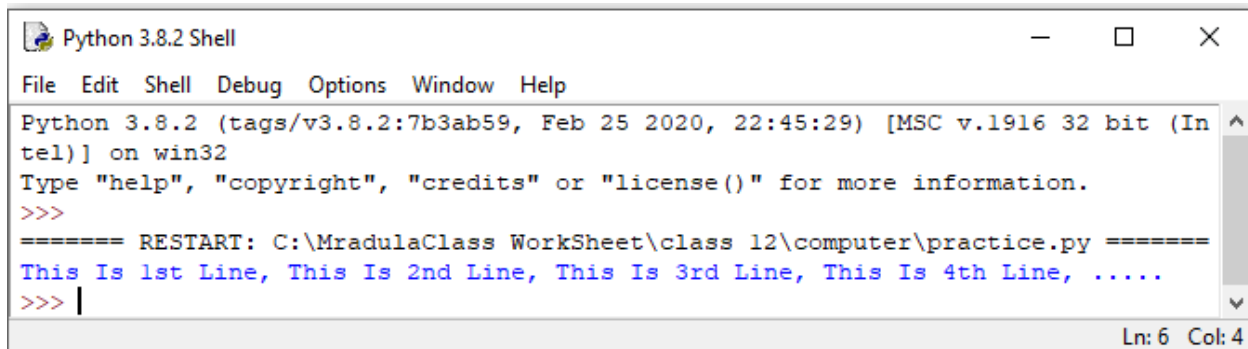
```
            str=str+j.title()+ ' '
```

```
        elif j[0].isupper:
```

```
            str=str+j+' '
```

```
f.close()
```

```
print(str)
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
This Is 1st Line, This Is 2nd Line, This Is 3rd Line, This Is 4th Line, .....
>>> |
```

Ln: 6 Col: 4

52. Consider the following code:

```
ch = "A"
```

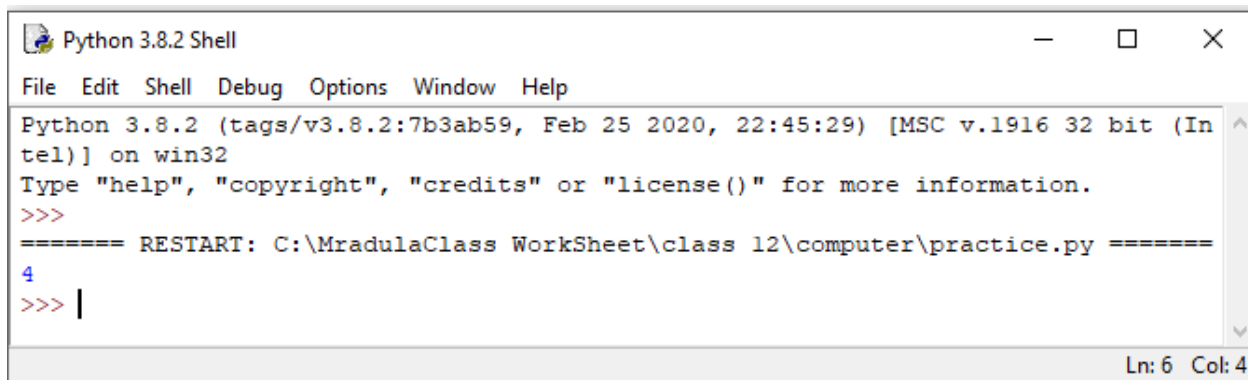
```
f=open("practice.txt",'a')
```

```
f.write(ch)
```

```
print(f.tell())
```

```
f.close()
```

What is the output if the file content before the execution of the program is the string "ABC"? (Note that " " are not the part of the string)



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
4
>>> |
```

Ln: 6 Col: 4

53. Consider the following code:

```
ch = "A"
```

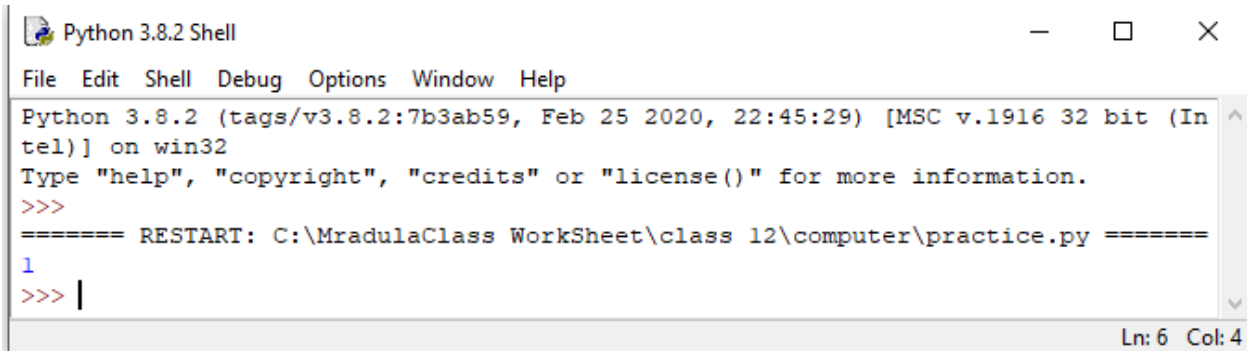
```
f=open("practice.txt",'w')
```

```
f.write(ch)
```

```
print(f.tell())
```

```
f.close()
```

What is the output if the file content before the execution of the program is the string "ABC"? (Note that " " are not the part of the string)

A screenshot of a Python 3.8.2 Shell window. The title bar says "Python 3.8.2 Shell". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area shows the following content: "Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32", "Type 'help', 'copyright', 'credits' or 'license()' for more information.", ">>>", "==== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====", "1", ">>> |". The status bar at the bottom right shows "Ln: 6 Col: 4".

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
1
>>> |
```

54. Write a Python Program that Reads a Text File and Counts the Number of Times a Certain Letter Appears in the Text File

```
from collections import Counter
```

```
f=open("practice.txt","r")
```

```
lis=[]
```

```
for i in f.read():
```

```
    for d in i.split():
```

```
        lis+=d
```

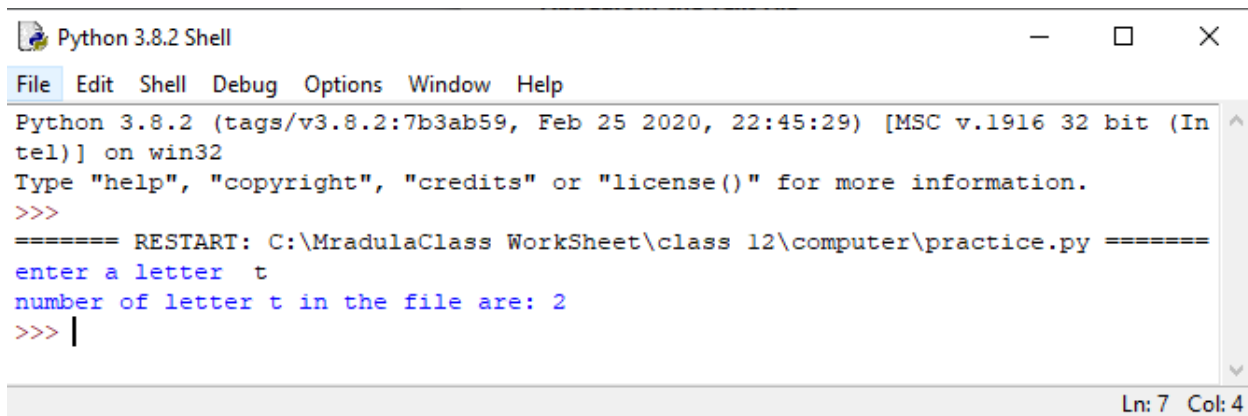
```
r=Counter(lis)
```

```
t=input("enter a letter\t")
```

```
if t in r:
```

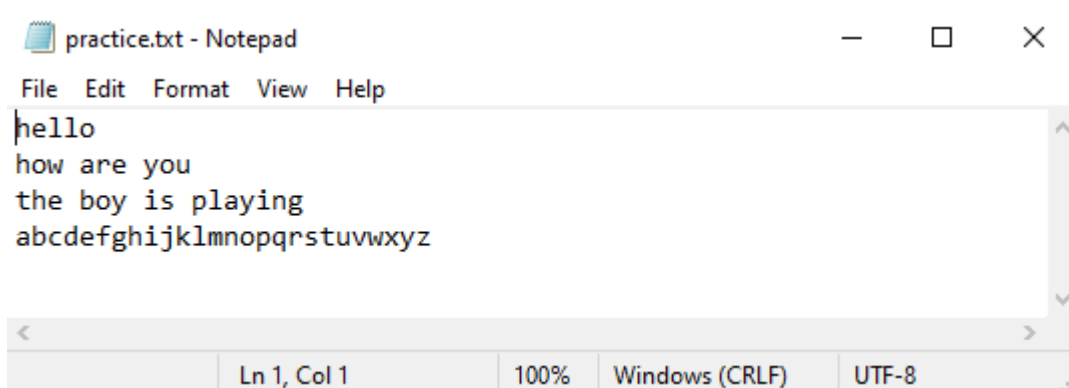
```
    print("number of letter",t,"in the file are:",r[t])
```

```
f.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
enter a letter t
number of letter t in the file are: 2
>>> |
```

Ln: 7 Col: 4



```
practice.txt - Notepad
File Edit Format View Help
hello
how are you
the boy is playing
abcdefghijklmnopqrstuvwxyz
```

Ln 1, Col 1 100% Windows (CRLF) UTF-8

55. Write a Python Program that Reads a Text File and Counts the Number of Times each character appears in the Text File

```
from collections import Counter
```

```
f=open("practice.txt","r")
```

```
lis=[]
```

```
for i in f.read():
```

```
    for d in i.split():
```

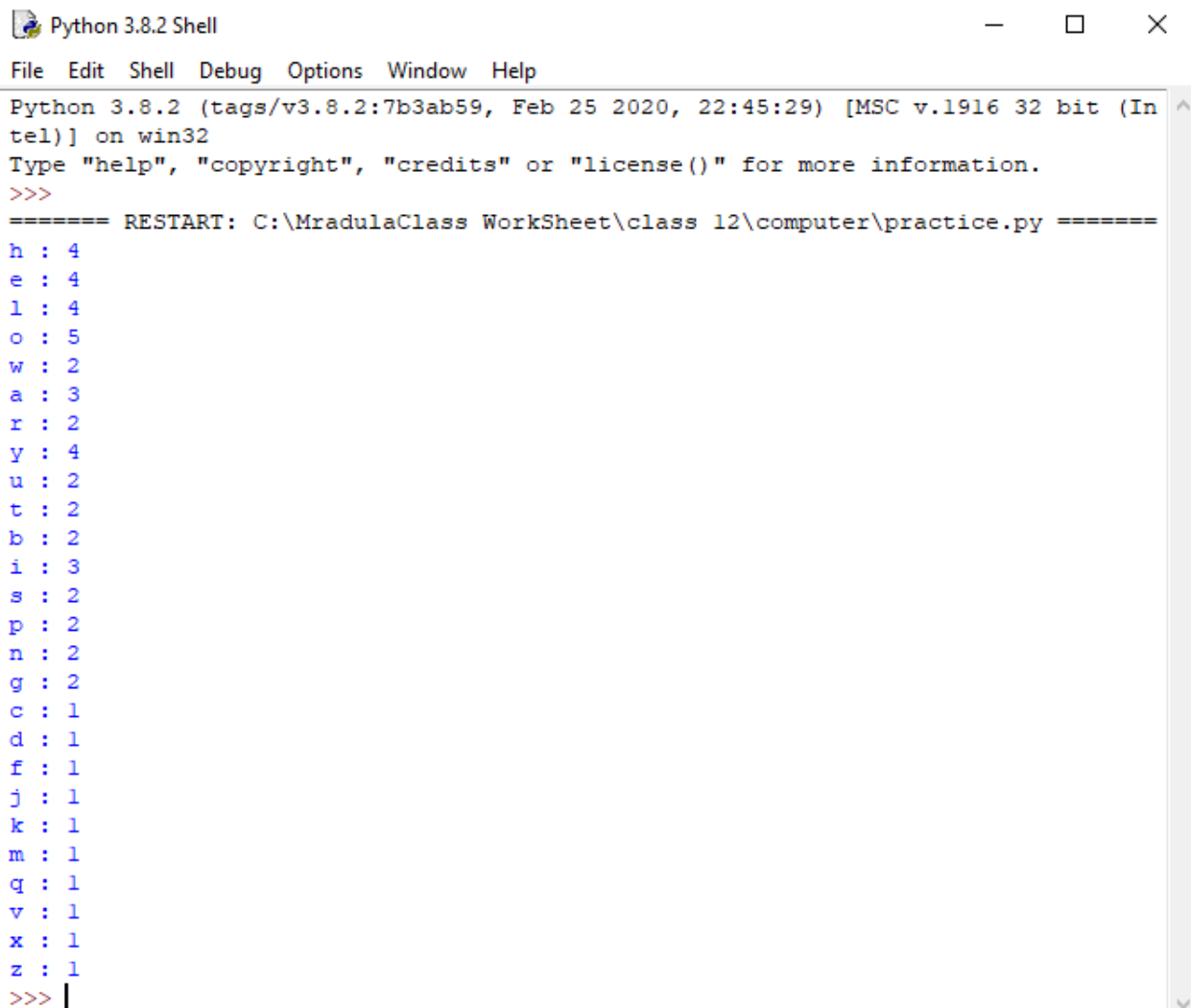
```
        lis+=d
```

```
r=Counter(lis)
```

```
for t in r:
```

```
    print(t,":",r[t])
```

```
f.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
h : 4
e : 4
l : 4
o : 5
w : 2
a : 3
r : 2
y : 4
u : 2
t : 2
b : 2
i : 3
s : 2
p : 2
n : 2
g : 2
c : 1
d : 1
f : 1
j : 1
k : 1
m : 1
q : 1
v : 1
x : 1
z : 1
>>> |
```

56. The following sample file called studentmarks.txt contains one line for each student in an imaginary class. The students name is the first thing on each line, followed by some exam scores. The number of scores might be different for each student.

Mohak 10 15 20 30 40

Manish 23 16 19 22

Ria 8 22 17 14 32 17 24 21 2 9 11 17

Joy 12 28 21 45 26 10

Freya 14 32 25 16 89

Using the text file studentmarks.txt write a program that prints out the names of students that have more than five quiz scores.

```
f=open("practice2.txt","r")
```

```
for i in f.readlines():
```

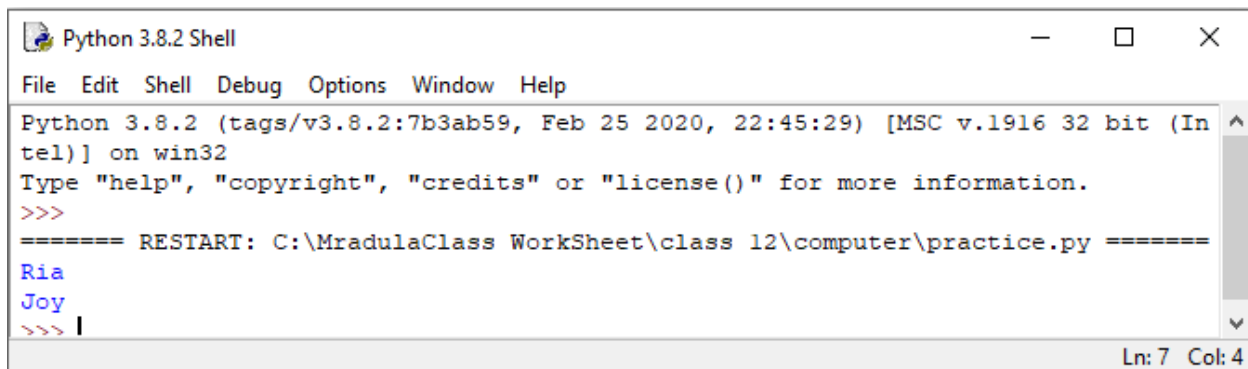
```
    l=i.split(" ")
```

```
    m=len(l[1:])
```

```
    if m>5:
```

```
        print(l[0])
```

```
f.close()
```



```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\MradulaClass WorkSheet\class 12\computer\practice.py =====
Ria
Joy
>>> |
```

Ln: 7 Col: 4