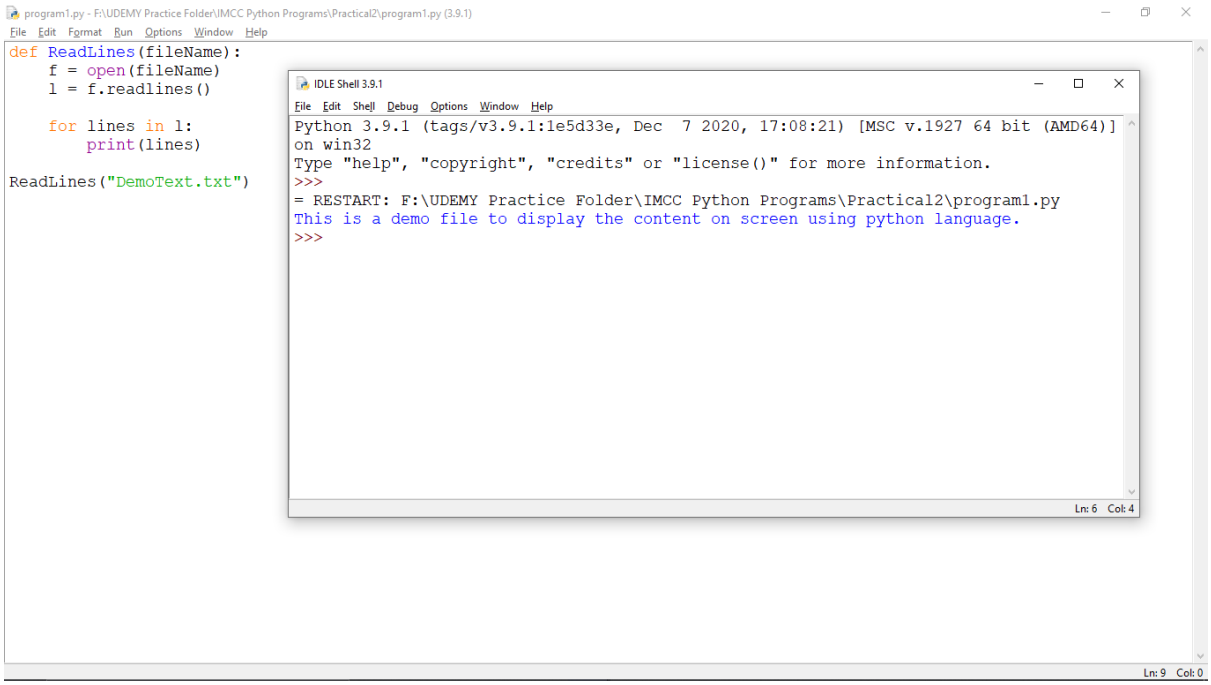
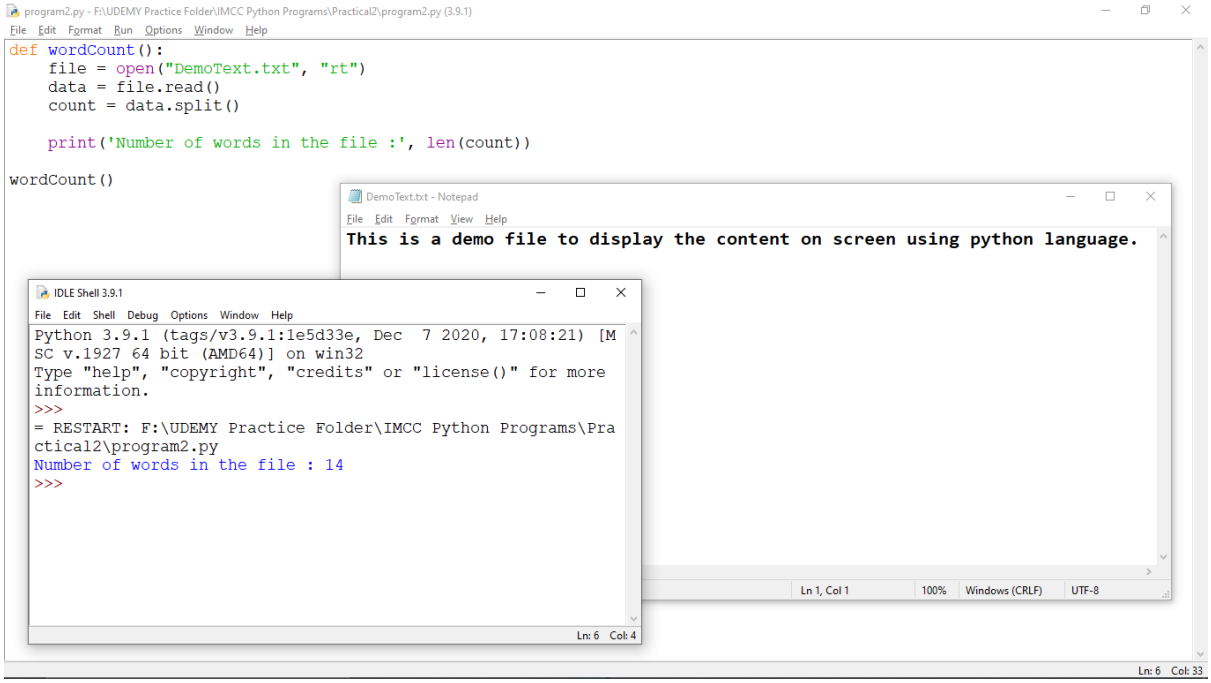
Kaushik Puntambekar – 1912037

Practical 2

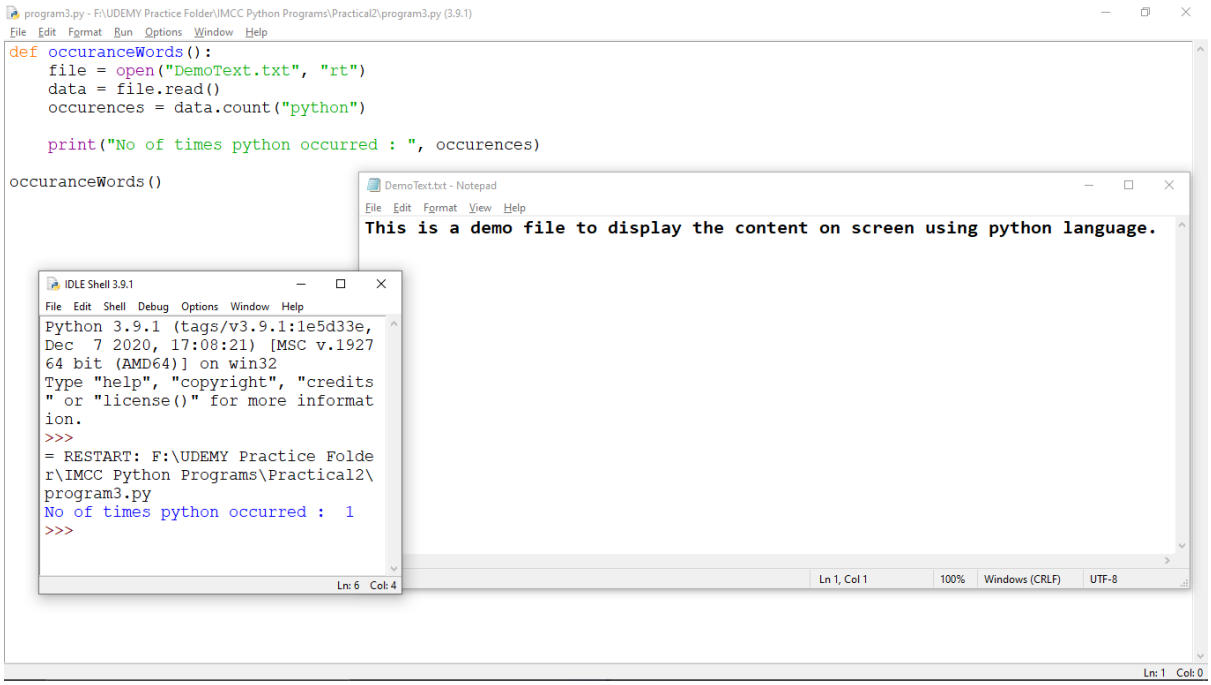
1) Write a function in python to read the content from a text file line by line and display the same on screen.



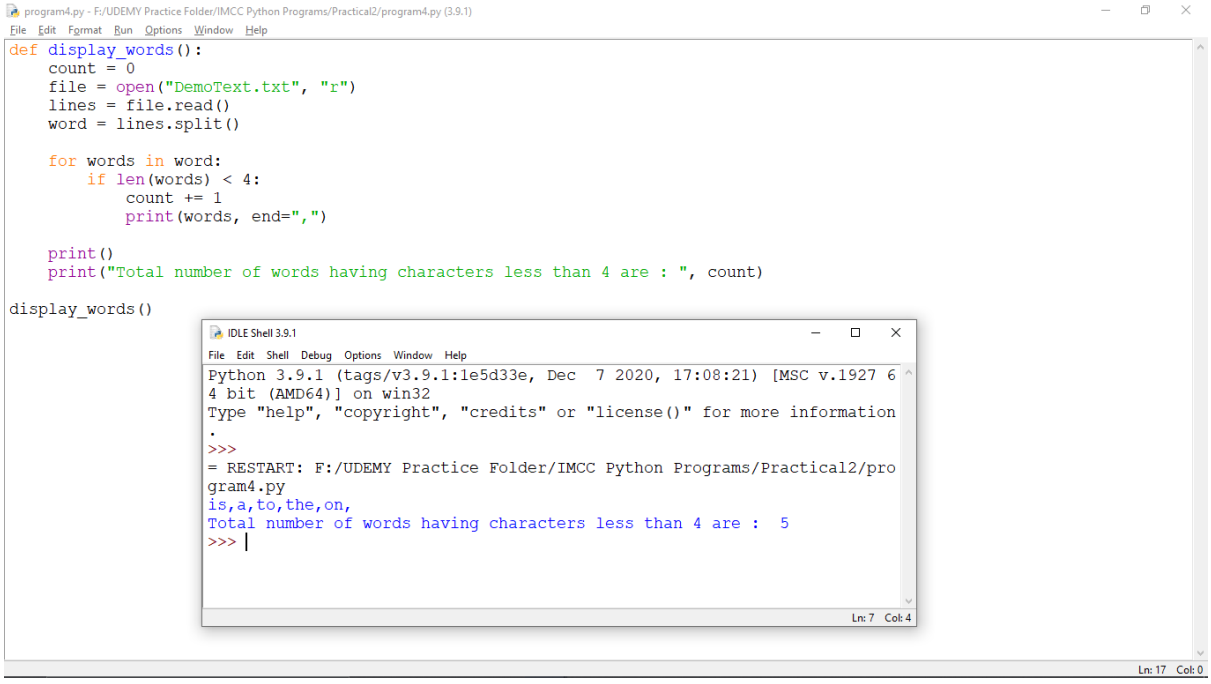
2) Write a function in python to count and display the total number of words in a text file.



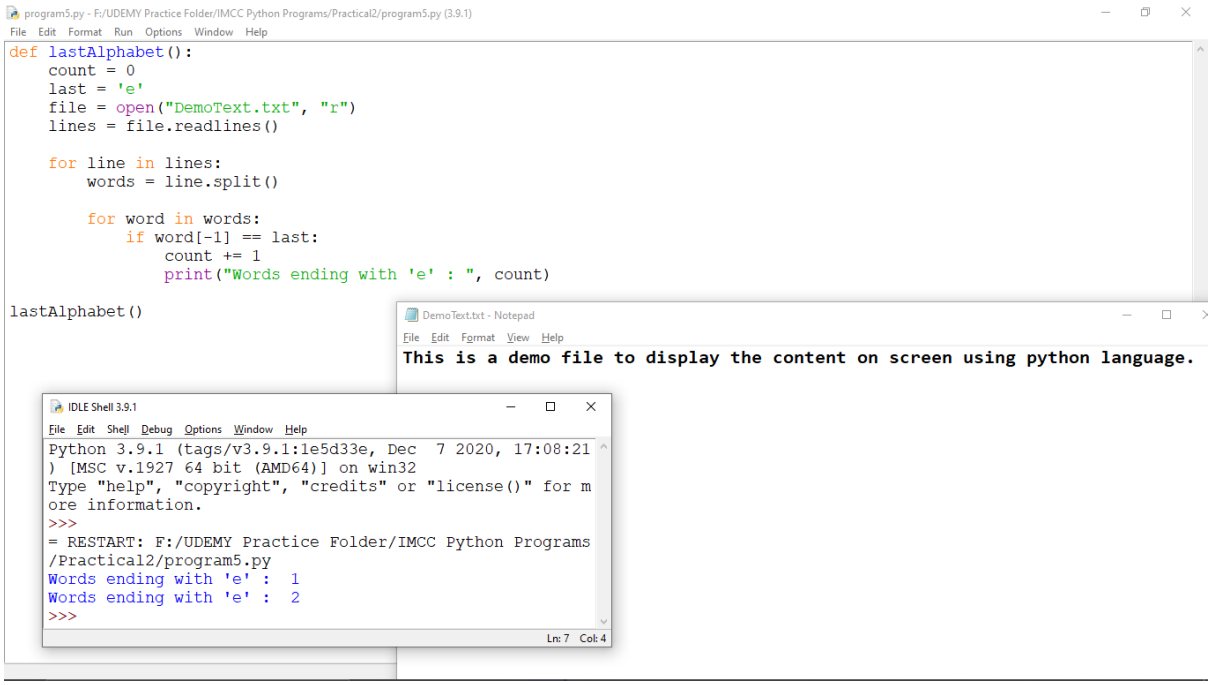
3) Write a function in python to read lines from a text file and function should find and display the occurrence of the word “Python”.



4) Write a function display_words() in python to read lines from a text file, and display those words, which are less than 4 characters.



5) Write a function in Python to count words in a text file those are ending with alphabet “e”.



6) Write a function to search and display details of student whose rollno is ‘11’ from the binary file student.dat having structure[rollno, name, class and fees].

```
import pickle

filename = "student.dat"

file = open(filename, "wb")


data=[{
   'rollno':101,
   'name':'Aditya',
   'class':'MCA',
   'fees':12445},


   {'rollno':102,
   'name':'Rajesh',
   'class':'MBA',
   'fees':124453},
```

```
    {'rollno':103,
    'name':'Sahil',
    'class':'Temp',
    'fees':34556},

    {'rollno':104,
    'name':'Reema',
    'class':'MCA',
    'fees':67445}

    ]

pickle.dump(data, file)
file.close()

print("Success")

infile = open(filename, 'rb')
dictlist = pickle.load(infile)
infile.close()

for dict1 in dictlist:
    if(dict1["rollno"] == 11):
        print("Student with Roll no 11 is => , Name : {} | Class : {} | Fees{}"
              .format((dict1["name"]), (dict1["class"]), dict1["fees"]))
```

7) Write a function to search and display details of student whose rollno is ‘11’ from the binary file student.dat having structure[rollno, name, class and fees].

8) Write a program to read line number 4 from the following file

Line1

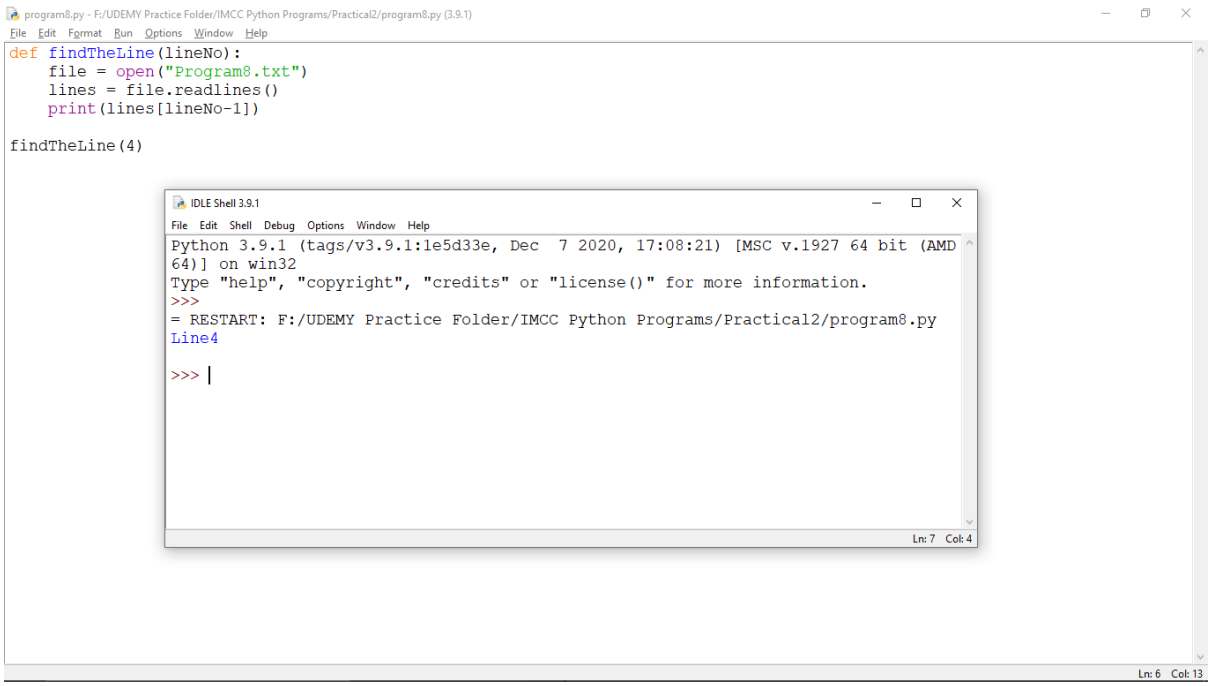
Line2

Line3

Line4

Line5

Line6



9) Write a program to accept the folder name from user and print the list of files and folders from the given folder.

program9.py - F:/UDEMY Practice Folder/IMCC Python Programs/Practical2/program9.py (3.9.1)

File Edit Format Run Options Window Help

```
import os

filenames = next(os.walk(input("Please provide path of folder : "))) [2]

print("The files in folder are : \n")

print("File Number         File Name")

for file in filenames:
    print(str(filenames.index(file)+1) + "         " + str(file))
```

IDLE Shell 3.9.1

File Edit Shell Debug Options Window Help

```
File Number         File Name
1          DemoLineText.txt
2          DemoText.txt
3          KaushikPuntambekar_1912037(Practical2).docx
4          program1.py
5          program2.py
6          program3.py
7          program4.py
8          program5.py
9          program6.py
10          program7.py
11          program8.py
12          program9.py
13          ~$ushikPuntambekar_1912037(Practical2).docx
14          ~WRL0005.tmp
>>>
```

Ln: 23 Col: 4

Ln: 11 Col: 0

10) Write a program to copy the content of .jpg file into another file.

program10.py - F:/UDEMY Practice Folder/IMCC Python Programs/Practical2/program10.py (3.9.1)

File Edit Format Run Options Window Help

```
firstfile = open('pc-wallpapers-1.jpg', 'rb')
secondfile = open('new.jpg', 'wb')

for line in firstfile:
    secondfile.write(line)

print("File copied")
```

Ln: 8 Col: 0