

Python Practical’s

# TASK 10

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View On [**github.com/smit-joshi814**](https://github.com/smit-joshi814/Learning-python/tree/main/collage/Task10)

Practical 1

Write a Python code, for copying the content of one file to another file.

# calculator/SimpleCalculator.py

# Write a Python code, for copying the content of one file to another file.

demo=open("demo.txt","r")

writer=open("write.txt","w")

for line in demo:

    writer.write(line)

# demo.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# cmd

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10> py practical1.py

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10>

# write.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

Practical 2

Write a Python code to count the number of words and lines in the input file and display

the result.

# Practical2.py

file=open("demo.txt","r")

count=0

lines=0

for line in file:

    tempList=line.split()

    count=count+len(tempList)

    lines=lines+1

print(f"total numbers of words are: {count} and lines are: {lines}")

# demo.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# Output:

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10> py practical2.py

total numbers of words are: 22 and lines are: 4

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10>

Practical 3

Write a Python program that encrypts the contents of a text file using a simple encryption

algorithm. Decrypt the file and display on console.

# Practical3.py

def encryptFile(inputFile,outputFile):

    file=open(inputFile,"r")

    temp=open(outputFile,"w")

    for line in file:

        for char in line:

            temp.write(chr(ord(char)+2))

encryptFile("demo.txt","encryptedDemo.txt")

file=open("encryptedDemo.txt","r")

for line in file:

    for char in line:

        print(chr(ord(char)-2),end="")

# demo.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# encryptedDemo.txt

Dgyctg"vjg"Lcddgtyqem."o{"uqp.vjg"lcyu"vjcv"dkvg."vjg"encyu"vjcv"ecvej.Dgyctg"vjg"LwdLwd"dktf"cpf"ujwpvjg"htwokqwu"dcpfgtupcvej0

# Output:

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10> py practical3.py

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

Practical 4

Write a Python program that concatenates the contents of two text files into a single

output file.

# distance.py

demo=open("demo.txt","r")

write=open("write.txt","r")

temp=open("temp.txt","w")

for line in demo:

    temp.write(line)

for line in write:

    temp.write(line)

# demo.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# write.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# temp.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# Output:

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10> py practical4.py

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10>

Practical 5

Write a python program to display the length of longest line in the text file and also

display the content of that line.

# Practical5.py

def getLongestFileInfo(filename):

    demo=open(filename,"r")

    longest=0

    content=""

    for line in demo:

        if len(line) > longest:

            longest=len(line)

            content=line

    print(f"Length of longest line is: {longest}")

    print(f"content of longest line is: {content}")

getLongestFileInfo("demo.txt")

# demo.txt

Beware the Jabberwock, my son,

the jaws that bite, the claws that catch,

Beware the JubJub bird and shun

the frumious bandersnatch.

# Output:

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10> py practical5.py

Length of longest line is: 42

content of longest line is: the jaws that bite, the claws that catch,

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10>

Practical 6

Read the student file with data of five students, roll number, name, marks of 5 subjects.

Display the contents on console and also calculate the percentage.

# Practical6.py

student\_data=open("student\_data.txt","r")

for student in student\_data:

    studentData=student.split()

    print(f"RollNo: {studentData[0]}\nName: {studentData[1]}")

    sum= float(studentData[2]) + float(studentData[3]) +float(studentData [4]) + float(studentData[5]) +float(studentData[6])

    print(f"Percentage: {sum/5} \n")

# demo.txt

18 Smit 80 90 80 60 80

20 Tejasv 70 80 85 60 80

30 Vishva 60 60 80 90 80

40 Poojan 80 60 70 60 70

10 Akash 90 40 40 45 70

# Output:

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10> py practical6.py

RollNo: 18

Name: Smit

Percentage: 78.0

RollNo: 20

Name: Tejasv

Percentage: 75.0

RollNo: 30

Name: Vishva

Percentage: 74.0

RollNo: 40

Name: Poojan

Percentage: 68.0

RollNo: 10

Name: Akash

Percentage: 57.0

PS D:\LEARNING\COLLAGE\SAM7\Python\collage\Task10>