1.

myfile = open("File.txt","r")

for ch in myfile.read():

if ch==" ":

print("#",end="")

else:

print(ch,end="")

myfile.close()

2.

myfile = open("File.txt","r")

v\_c = 0

c\_c = 0

up\_c = 0

low\_c = 0

num\_c = 0

space\_c = 0

s\_c = 0

for ch in myfile.read():

if ch.isalpha():

if ch in "aeiouAEIOU":

v\_c += 1

else:

c\_c +=1

if ch.isupper():

up\_c += 1

if ch.islower():

low\_c +=1

elif ch in "1234567890":

num\_c += 1

else:

if ch==" " or ch== "\n":

space\_c += 1

else:

s\_c +=1

print("Number of Vowels : ",v\_c)

print("Number of Consonants : ",c\_c)

print("Number of Upper Case Characters : ",up\_c)

print("Number of Lower Case Characters : ",low\_c)

print("Number of Numerals : ",num\_c)

print("Number of Tabs or Spaces Or New Lines : ",space\_c)

print("Number of Special Characters : ",s\_c)

myfile.close()

3.

myfile = open("File.txt","r")

i = 0

for line in myfile.readlines():

if i%2==0:

print(line,end="")

i += 1

myfile.close()

4.

"""I have not understood this program correctly

but as told by Kasturi mam, I have modified this

snippet for finally taking the value of new marks

and then displaying final output"""

import sys

import os

import time

s\_details = [("James",5,48.5),("Naomi",6,76.9),("Paul",7,98.2),("Joy",8,96.5)]

f = open("Binary.txt","wb")

for x in s\_details:

f.write(bytes(("%s %s %s" %x),'utf-8'))

f.write(b"\n")

f.close()

f1 = open("Binary.txt","rb+")

l = f1.readlines()

t = len(l)

x = input("Enter the roll no. that you want to search and update : ")

y = x

x = bytes(str(x),"utf-8")

f1.seek(0)

lp = []

flag = 0

for i in range(t):

c = f1.tell()

p = f1.readline()

lp = p.split()

print(lp)

if x in lp[1]:

f1.seek(c)

new\_mark = input("Enter new Marks in float format with only 1 digit after the decimal : ")

new\_t = (lp[0].decode("utf-8"),y,new\_mark)

f1.write(bytes(("%s %s %s" %new\_t),"utf-8"))

print("Record updated successfully.....")

flag = 1

break

if flag==0:

print("Roll No. could not be found")

f1.seek(0)

l = f1.read()

print(l)

print(l.decode())

f1.close()

time.sleep(4)

5.

"""I made a simple tweak to the code...

it now makes a folder and within that folder

it creates .txt files from A-Z"""

import string

import os

alphabet= string.ascii\_uppercase

os.mkdir("ALPHABETS")

os.chdir("ALPHABETS")

for letter in alphabet:

open(letter+".txt",'w')