**Write a Python program to count each letter in a file.**

sai=open("sai.txt","w")  
sai.write("sai is good boy")  
sai.close()  
count=0  
sai=open("sai.txt","r")  
a=sai.read()  
for i in a:  
 if i.isalpha():  
 count+=1  
print(count)

Write a Python program to find the sum and average of all the numbers stored in a file.

sai=open("sai.txt","w")  
  
sai.write("1 2 3 5")  
  
sai.close()  
  
count=0  
  
b=0  
  
a=[]  
  
sai=open("sai.txt","r")  
  
a=sai.read()  
  
a=a.split(" ")  
  
for i in a:  
  
 b=b+int(i)  
  
b=b/len(a)  
  
print(b)  
  
sai.close()

**Write a Python program that copies the content of one file to the other.**

with open("test.txt") as f:  
 with open("out.txt", "w") as f1:  
 for line in f:  
 f1.write(line)

Write a Python program that counts the occurrences of a specific word in a file.

c=0  
  
sai=open("sai.txt","w")  
  
sai.write("sai is a good sai")  
  
sai.close()  
  
c=[]  
  
count=0  
  
sai=open("sai.txt","r")  
  
c=sai.read()  
  
sai.close()  
  
c=c.split(" ")  
  
d=input("enter the word to be searched:")  
  
for i in c:  
  
 if i==d:  
  
 count+=1  
  
if count!=0:  
  
 print(count)  
  
else:  
 print("word not found")

**Write a Python program that removes all the occurrences of a specified string from a text file. Your program should prompt the user to enter a filename and a string to be removed.**

c=0  
  
sai=open("sai.txt","w")  
  
sai.write("sai is a good sai")  
  
sai.close()  
  
c=[]  
  
count=0  
  
e=input("enter the file name")  
  
f=open(e,"r")  
  
c=f.read()  
  
c=c.split(" ")  
  
d=input("enter the word to be searched:")  
  
for i in c:  
  
 if i==d:  
  
 c.remove(i)  
f.close()  
  
f=open(e,"w")  
  
for i in c:  
  
 f.write(i)  
  
 f.write(" ")  
  
f.close()

**Write a Python program that will count the number of characters, words and lines in a file. Words are separated by a white space character. Your program should prompt the user to enter a filename.**

Pk Ict, [02.12.19 22:24]  
file\_name=input("Enter file name :")  
fp=open(file\_name,"r")  
data=fp.read()  
char=0  
l=data.split(" ")  
l1=data.split("\n")  
for i in l:  
 for j in i:  
 if i.isalpha():  
 char+=1  
print("No of characters in file:",char)  
print("No of words in file:",len(l))  
print("No of lines in file:",len(l1))

**Write a Python program that prompts the user to enter a text filename and displays the number of vowels and consonants in the file. Use a set to store the vowels.**

myfile = input("Enter a filename to check:")  
f = open(myfile, "r")  
s = f.read()  
f.close()  
print(s.rstrip())  
vowels = ["a", "e", "i", "o", "u"]  
vowel\_set = set()  
vcount = 0  
ccount = 0  
for i in s:  
 if i.lower() in vowels:  
 vowel\_set.add(i.lower())  
 vcount += 1  
 elif i.isalpha():  
 ccount += 1  
  
print("The file has", vcount, "vowels and", ccount, "consonants.")  
print("Vowels found in the file are:", vowel\_set)myfile = input("Enter a filename to check:")  
f = open(myfile, "r")  
s = f.read()  
f.close()  
print(s.rstrip())  
vowels = ["a", "e", "i", "o", "u"]  
vowel\_set = set()  
vcount = 0  
ccount = 0  
for i in s:  
 if i.lower() in vowels:  
 vowel\_set.add(i.lower())  
 vcount += 1  
 elif i.isalpha():  
 ccount += 1  
  
print("The file has", vcount, "vowels and", ccount, "consonants.")  
print("Vowels found in the file are:", vowel\_set)