# solutions for session 10

#### Task 1:

Write a program to read all the characters from the file(“data.txt”) and display them in uppercase.

f = open("data.txt", 'r')  
d = f.read( )  
print(d.upper( ))

#### Task 2:

Write a program in Python to find the number of characters in the first line of a text file (“data.txt”) using readlines().

f = open("data.txt", 'r')  
d = f.readlines( )  
print(len(d[0]))

#### Task 3:

Write a program to count the number of vowels in a file.

f = open("data.txt", 'r')  
l = f.read( )  
c = 0  
vow = "aeiouAEIOU"  
**for** i **in** l:  
 **if** i **in** vow:  
 c = c + 1  
print("Total vowels are = " , c)

#### Task 4:

Write a program to read data from “data.txt” and write in another file “dest.txt”

f = open("data.txt", 'r')  
f1 = open("dest.txt", 'w')  
cd = f.read( )  
f1.write(cd)  
f1.close( )  
f.close( )

#### Task 5:

Write a program to read all data from “data.txt” and write in another file “dest.txt” except the vowels.

f = open("data.txt", 'r')  
f1 = open("dest.txt", 'w')  
cd = f.read( )  
vow = "aeiouAEIOU"  
**for** i **in** cd:  
 **if** (**not** i **in** vow) :  
 f1.write(i)  
f1.close( )  
f.close()

#### Task 6:

Write a program to read data from the file “data.txt” and count the frequency of word input from the user.

f = open("data.txt", 'r')  
d = f.read( )  
word = input("Enter the word to search: ")  
print(d.count(word)

#### Task 7:

Write a program to count the number of spaces from the file (“data.txt”).

f=open("data.txt", 'r')  
l=f.read()  
c=0  
vow="aeiouAEIOU"  
**for** i **in** l:  
 **if** i **in** vow:  
 c=c+1  
print("total vowels are=",c)