SCRIPT 1

```
#read from a text file

fr=open("multiple2.txt","r")
s=fr.read()  #reads the entire file and returns it as a string
print("multiple2.txt contains:")
print(s)
fr.close()

print("reading specific number of characters from multiple2.txt")
fr=open("multiple2.txt","r")
#1
s=fr.read(5)
print(s)
#2 read resumes from 6th
s=fr.read(9)
print(s)
#3
s=fr.read()
print(s)
fr.close()
```

SCRIPT 2

```
#script to count and display the number of lower and upper case vowels in  a text file

fr=open("multiple2.txt","r")
s=fr.read()
vc=0
for c in s:
   if c in 'aeiouAEIOU':
     vc+=1

print("multiple2.txt vowel count=",vc)
fr.close()
```

SCRIPT 3

```
#Script to count and display the number of lower case letters, upper case letters, digits, spaces and
#special symbols in a text file named "demo.txt"

fw=open("demo.txt","w")
fw.write("AbcD_123@gmail.com is my email address")
fw.close()


fr=open("demo.txt","r")
s=fr.read()
print("demo.txt contents:",s)
lc=0
uc=0
dc=0
sp=0
ot=0

for c in s:
    if c.isupper():
        uc+=1
    elif c.islower():
        lc+=1
    elif c.isdigit():
        dc+=1
    elif c.isspace():
        sp+=1
    else:
        ot+=1
fr.close()

print("multiple2.txt upper case letter count=",uc)
print("multiple2.txt lower case letter count=",lc)
print("multiple2.txt digit count=",dc)
print("multiple2.txt space count=",sp)
print("multiple2.txt other characters count=",ot)

'''
demo.txt contents: AbcD_123@gmail.com is my email address
multiple2.txt upper case letter count= 2
multiple2.txt lower case letter count= 26
multiple2.txt digit count= 3
multiple2.txt space count= 4
multiple2.txt other charcters count= 3
'''
```

SCRIPT 4

```
#Script to count and display the occurrences of letter 'a' in a text file 'demo.txt'

fr=open("demo.txt",'r')
s=fr.read()

count=0
for c in s:
   if c=='a':
      count+=1

print("count of a=",count)

fr.close()
```

SCRIPT 5

```
#Script to display the entire text file with every space displayed as '#'

fw=open("capital.txt",'w')
fw.write("New Delhi is the capital of India")
fw.close()
print("Content written to file...")


fr=open("capital.txt",'r')
s=fr.read()
print("Original file",s)
print("file as required for display")
s1=''
for c in s:
   if c.isspace():
      s1+='#'
   else:
      s1+=c  #s1=s1+c

print(s1)
fr.close()

#New Delhi is the capital of India
#New#Delhi#is#the#capital#of#India
```

SCRIPT 6

```
#Script to display the entire text file with every space displayed as '#'

fw=open("capital.txt",'w')
fw.write("New Delhi is the capital of India")
fw.close()
print("Content written to file...")


fr=open("capital.txt",'r')
s=fr.read()
print("Original file",s)
print("file as required for display")

for c in s:
    if c.isspace():
        print("#",end='')
    else:
        print(c,end='')

fr.close()

#New Delhi is the capital of India
#New#Delhi#is#the#capital#of#India
```