In [5]:
```
with open("abc.txt","w") as f:
    f.seek(5)
    f.write("swati patel")
    print(f.tell())
    f.seek(5)
    print(f.tell())
```

```
16
5
```

In [2]:
```
f.closed
```

Out[2]:
```
True
```

In [6]:
```
f1=open("abc.txt")
print(f1)
```

```
<_io.TextIOWrapper name='abc.txt' mode='r' encoding='cp1252'>
```

466.Write a python program to create and read the city.txt file in one go and print the contents on the output screen.

In [7]:
```
f=open("city.txt","w+")
f.writelines(["abd\n","surat\n"])
f.seek(0)
s=f.read()
print(s)
f.close()
```

```
abd
surat
```

In [10]:
```
f=open("abc.txt")
s= f.read()
print(s)
print("no. of words=",len(s.split()))
print("no. of statements=",(len(s.split("."))-1))
f.close()
```

```
Positive thinking is a mental attitude that focuses on the bright side of life and expects positive outcomes,
leading to benefits like improved resilience, reduced stress, and greater motivation. By maintaining an optimi
stic outlook, individuals are better equipped to handle challenges, see opportunities, and achieve personal an
d professional goals. This mindset fosters a sense of hope and empowerment, making it easier to form meaningfu
l relationships and contribute to overall well-being.
no. of words= 70
no. of statements= 3
```

470. Write a python program that reads a text file and changes the file by capitalizing each character of file.

In [11]:
```
f=open("abc.txt","r+")
s=f.read()
a=s.upper()
f.seek(0)
f.write(a)
f.close()
```

471.Write a Python program to copy the contents of a file to another file.

In [12]:
```
f=open("abc.txt","r")
f1=open("abc1.txt","w")
s=f.read()

f.seek(0)
f1.write(s)
f.close()
f1.close()
```

472. Write a python program to read line by line from a given files file1 & file2 and write into file3.

In [13]:
```
f1=open("f1.txt")
f2=open("f2.txt")
f3=open("f3.txt","w")
l1=f1.readlines()
l2=f2.readlines()
l=max(len(l1),len(l2))
for i in range(l):
    if len(l1)>i:
        f3.write(l1[i])
    if len(l2)>i:
        f3.write(l2[i])
f1.close()
f2.close()
f3.close()
f3=open("f3.txt","r")
s=f3.read()
print(s)
```

```
A
1
B
2
C
3
D
4
5
6
7
```

474. Write a python program to search for a string in text files.

In [15]:
```
f=open("abc.txt")
s=input("Enter string you want to search: ")
l=f.readlines()
for i in l:
    if i.find(s)!=-1:
        print("line no.=", l.index(i)+1,"index no.=",i.index(s))
```

```
Enter string you want to search: Life
line no.= 4 index no.= 32
```

475. Write a “pager” program. Your solution should prompt for a filename, and display the text file 25 lines at a time, pausing each time to ask the user to enter the word “continue”, in order to show the next 25 lines or enter the word “stop” to close the file.

In [16]:
```
f=open(input("enter file name:"))
for i ,j in enumerate(f):
    if i%25==0 and i:
        x=input("doyou want to continue? enter y or n: ")
        if x.lower()=="n":
            break
    else:
        print(j)
```

```
enter file name:pager.txt
From stephen.marquard@uct.ac.za Sat Jan  5 09:14:16 2008

Return-Path: <postmaster@collab.sakaiproject.org>

Received: from murder (mail.umich.edu [141.211.14.90])

         by frankenstein.mail.umich.edu (Cyrus v2.3.8) with LMTPA;

         Sat, 05 Jan 2008 09:14:16 -0500

X-Sieve: CMU Sieve 2.3

Received: from murder ([unix socket])

         by mail.umich.edu (Cyrus v2.2.12) with LMTPA;

         Sat, 05 Jan 2008 09:14:16 -0500

Received: from holes.mr.itd.umich.edu (holes.mr.itd.umich.edu [141.211.14.79])

        by flawless.mail.umich.edu () with ESMTP id m05EEFR1013674;

        Sat, 5 Jan 2008 09:14:15 -0500

Received: FROM paploo.uhi.ac.uk (app1.prod.collab.uhi.ac.uk [194.35.219.184])

        BY holes.mr.itd.umich.edu ID 477F90B0.2DB2F.12494 ;

         5 Jan 2008 09:14:10 -0500

Received: from paploo.uhi.ac.uk (localhost [127.0.0.1])

        by paploo.uhi.ac.uk (Postfix) with ESMTP id 5F919BC2F2;

        Sat,  5 Jan 2008 14:10:05 +0000 (GMT)

Message-ID: <200801051412.m05ECIaH010327@nakamura.uits.iupui.edu>

Mime-Version: 1.0

Content-Transfer-Encoding: 7bit
```

```
Received: from prod.collab.uhi.ac.uk ([194.35.219.182])

          by paploo.uhi.ac.uk (JAMES SMTP Server 2.1.3) with SMTP ID 899

          for <source@collab.sakaiproject.org>;

          Sat, 5 Jan 2008 14:09:50 +0000 (GMT)

doyou want to continue? enter y or n: y
        by shmi.uhi.ac.uk (Postfix) with ESMTP id A215243002

        for <source@collab.sakaiproject.org>; Sat,  5 Jan 2008 14:13:33 +0000 (GMT)

Received: from nakamura.uits.iupui.edu (localhost [127.0.0.1])

        by nakamura.uits.iupui.edu (8.12.11.20060308/8.12.11) with ESMTP id m05ECJVp010329

        for <source@collab.sakaiproject.org>; Sat, 5 Jan 2008 09:12:19 -0500

Received: (from apache@localhost)

        by nakamura.uits.iupui.edu (8.12.11.20060308/8.12.11/Submit) id m05ECIaH010327

        for source@collab.sakaiproject.org; Sat, 5 Jan 2008 09:12:18 -0500

Date: Sat, 5 Jan 2008 09:12:18 -0500

X-Authentication-Warning: nakamura.uits.iupui.edu: apache set sender to stephen.marquard@uct.ac.za using -f

To: source@collab.sakaiproject.org

From: stephen.marquard@uct.ac.za

Subject: [sakai] svn commit: r39772 - content/branches/sakai_2-5-x/content-impl/impl/src/java/org/sakaiprojec
t/content/impl

X-Content-Type-Outer-Envelope: text/plain; charset=UTF-8

X-Content-Type-Message-Body: text/plain; charset=UTF-8

Content-Type: text/plain; charset=UTF-8

X-DSPAM-Result: Innocent
```

```
X-DSPAM-Processed: Sat Jan  5 09:14:16 2008

X-DSPAM-Confidence: 0.8475

X-DSPAM-Probability: 0.0000



Details: http://source.sakaiproject.org/viewsvn/?view=rev&rev=39772 (http://source.sakaiproject.org/viewsvn/?view=rev&rev=39772)



Author: stephen.marquard@uct.ac.za

doyou want to continue? enter y or n: n
```

In [23]:
```
f=open("abc.txt")
f1=open("f11.txt","w+")
l1=f.readlines()
print(l1)

for i in l1:
    f1.write(i[::-1]+"\n")

f.close()

f1.close()
```

```
['Friends are crazy, Friends are naughty !\n', 'Friends are honest, Friends are best !']
```

483. Write a python program to read through the mbox-short.txt and figure out who has sent the greatest number of mail messages. The program looks for 'From ' lines and takes the second word of those lines as the person who sent the mail. The program creates a Python dictionary that maps the sender's mail address to a count of the number of times they appear in the file. After the dictionary is produced, the program reads through the dictionary to identify the sender with the maximum count (the most prolific sender).

Expected Output: {'stephen.marquard@uct.ac.za': 2, 'louis@media.berkeley.edu': 3, 'zqian@umich.edu': 4, 'rjlowe@iupui.edu': 2, 'cwen@iupui.edu': 5, 'gsilver@umich.edu': 3, 'wagnermr@iupui.edu': 1, 'antranig@caret.cam.ac.uk': 1, 'gopal.ramasammycook@gmail.com': 1, 'david.horwitz@uct.ac.za': 4, 'ray@media.berkeley.edu': 1}

cwen@iupui.edu (mailto:cwen@iupui.edu) 5

In [3]:
```
f=open("mbox-short.txt",encoding="utf-8")
#print(f.read())
l=[]
d={}
for i in f:
    if not i.startswith('From '):
        continue
    w=i.split()
    l.append(w[1])
for i in l:
    d[i]=d.get(i,0)+1
print(d)
a=max(d.values())
for k,v in d.items():
    if a==v:
        print(k,v)
```

```
{'stephen.marquard@uct.ac.za': 2, 'louis@media.berkeley.edu': 3, 'zqian@umich.edu': 4, 'rjlowe@iupui.edu': 2,
'cwen@iupui.edu': 5, 'gsilver@umich.edu': 3, 'wagnermr@iupui.edu': 1, 'antranig@caret.cam.ac.uk': 1, 'gopal.ra
masammycook@gmail.com': 1, 'david.horwitz@uct.ac.za': 4, 'ray@media.berkeley.edu': 1}
cwen@iupui.edu 5
```

480.File Filtering. write all lines of a file1, except those that start with a pound sign (#), the comment character for Python to file2. And display data of file2.

In [5]:
```
f=open("file1.txt")
f1=open("file2.txt","w")
while True:
    b=f.readline()
    if len(b)!=0:
        if b[0]=="#":
            continue
        else:
            if "#" in b:
                for i in range(1,len(b)):
                    if b[i]=="#":
                        f1.write(b[:i]+"\n")
            else:
                f1.write(b)
    else:
        break
f.close()
f1.close()
f2=open("file2.txt")
print(f2.read())
f2.close()
```

```
Friends are crazy, Friends are naughty !
Friends are like keygen,
We are nothing without friends, Life is not possible without friends !
```

In [ ]:
```

```