In [119]:
```
#Lab:6
#Pgm:1

with open("logingile.txt", "w") as log:
    u=int(input("No. of Users :"))
    for i in range (u):
        n=input("Enter User ID :")
        p=input("Enter Password :")
        log.write(n)
        log.write(p)
    log.close()
```

```
No. of Users :3
Enter User ID :arul
Enter Password :123
Enter User ID :asha
Enter Password :1122
Enter User ID :raj
Enter Password :321
```

In [120]:
```
logf=open("logingile.txt", "r")
secf=open("security.txt", "w")
w=logf.read()
secf.write(w)
secf.close()
```

In [121]:
```
secf=open("security.txt", "r")
print(secf.read())
secf.close()
```

```
arul123asha1122raj321
```

In [122]:
```
sec=open("security.txt", "r")
r=sec.read()
en=input("User ID :")
ep=input("Poassword :")
if en+ep in r:
    print("log-in Successful")
else:
    print("log-in Failed")
sec.close()
```

```
User ID :arul
Poassword :123
log-in Successful
```

In [ ]:
```

```

In [1]:
```
#Lab :6
#pgm :2

m=open("marks.txt","a")
n=int(input("No. of Marks :"))
l=[]
for i in range(n):
    li=float(input("Enter value :"))
    l.append(li)
m.write(str(l))
m.close()
```

```
No. of Marks :5
Enter value :99
Enter value :55
Enter value :66
Enter value :44
Enter value :51
```

In [16]:
```
m=open("marks.txt","r")
m.read()
print("Top Mark :",max(l))
l.sort(reverse=True)
print("Top 3 Marks : ",(l[:3]))
l.sort()
print("Low 3 Marks : ",(l[:3]))
print("Low Mark :",min(l))
m.close()
```

```
Top Mark : 99.0
Top 3 Marks :  [99.0, 66.0, 55.0]
Low 3 Marks :  [44.0, 51.0, 55.0]
Low Mark : 44.0
```

In [ ]:
```

```

In [11]:
```
#Lab :6
#Pgm :3

while True:
    sn=input("Stock Name :")
    f=open("stock_prices.txt","a")
    f.write(sn)
    f.write('\t')
    for i in range(5):
        pr=input("Price :")
        f.write(pr)
        f.write('\t')
    f.write('\n')
    q=input("Want to Continue (d for Done): ")
    if q=="d":
        break
f.close()
```

```
Stock Name :Tata
Price :984
Price :876
Price :784
Price :1003
Price :997
Want to Continue (d for Done): d
```

In [17]:
```
for st in open("stock_prices.txt","r").readlines():
    low=[]
    avg=0
    cnt=st.split()
    for i in range(1,5):
        low.append(int(cnt[i]))
        mx=max(low)
        imx=low.index(mx)
        mn=min(low)
        imn=low.index(mn)
        avg=sum(low)/5
    print("Max Price ",mx," at day ",imx+1)
    print("Min Price  ",mn," at day ",imn+1)
    print("Avarge Price : ",avg)
```

```
Max Price  1003  at day  4
Min Price   784  at day  3
Avarge Price :  729.4
```

In [ ]:
```

```

In [19]:
```
#Lab :6
#Pgm :4

f=open("D:\PSPR\Python Coding\love.txt","r")
l=f.read()
f.close()
print(l)
```

```
1.I could not tell you if I loved you the first moment I saw you, or if it
was the second or third or fourth. But I remember the first moment I looked
at you walking toward me and realized that somehow the rest of the world se
emed to vanish when I was with you.â€• Cassandra Clare.
2.People who meet in airports are seventy-two percent more likely to fall f
or each other than people who meet anywhere else.â€• Jennifer E. Smith.
3.Maybe love at first sight isnâ€™t what we think it is. Maybe itâ€™s recog
nizing a soul we loved in a past life and falling in love with them again.â
€• KamandKojouri.
4.Where both deliberate, the love is slight; Who ever loved, that loved not
at first sight?â€• Christopher Marlowe.
5.First love is only a little foolishness and a lot of curiosity. â€“ Georg
e Bernard Shaw.
6.Even If I meet more than a hundred people a day, I still look the one who
m I fall in love in a million times. â€• Judea Martinez.
7.Thereâ€™s no love like the first. â€“ Nicholas Sparks.
8.Love at first sight is easy to understand; itâ€™s when two people have be
en looking at each other for a lifetime that it becomes a miracle. â€“ Sam
Levenson.
```

In [42]:

```
import random
f=open("D:\PSPR\Python Coding\love.txt","r")
l=f.readline()
n=0
w=0
u=set(l)
uc=len(u)
r1=open("D:\PSPR\Python Coding\love.txt","r").read().splitlines()
r=random.choice(r1)
while l:
    s=l.split()
    w+=len(s)
    n+=1
    l=f.readline()
f.close()
print("No. of lines :",n)
print("No. of Unique Words :",uc)
print("Frequency of Word :",w)
print("Random Line :",r)
```

```
No. of lines : 9
No. of Unique Words : 33
Frequency of Word : 211
Random Line : 5.First love is only a little foolishness and a lot of curios
ity. â€“ George Bernard Shaw.
```

In [3]:
```
f=open("D:\PSPR\Python Coding\email.txt","r")
for line in f:
    line=line.rstrip()
    if line.startswith("From "):
        print(line)
```

```
From ds225229103@bhc.edu.in Sat Jan 5 09:14:16 2008
From arulkumar1924@gmail.com Fri Jan 4 18:10:48 2008
From ds225229101@bhc.edu.in Fri Jan 4 10:38:42 2008
From ds225229126@bhc.edu.in Fri Jan 4 10:17:43 2008
From swathi@caret.cam.ac.uk Fri Jan 4 10:04:14 2008
From jumboarkk@gmail.com Fri Jan 4 09:05:31 2008
From ds225229104@bhc.edu.in Thu Jan 3 19:51:21 2008
```

In [4]:
```
f=open("D:\PSPR\Python Coding\email.txt","r")
c=0
for line in f:
    line = line.rstrip()
    if line == "":
        continue
    words = line.split()
    if words[0] !="From":
        continue
    print(words[1])
    c+=1
print("No. of Count :",c)
```

```
ds225229103@bhc.edu.in
arulkumar1924@gmail.com
ds225229101@bhc.edu.in
ds225229126@bhc.edu.in
swathi@caret.cam.ac.uk
jumboarkk@gmail.com
ds225229104@bhc.edu.in
No. of Count : 7
```

In [ ]:
```

```

In [14]:
```
#Lab:6
#Pgm:6

import csv
with open("student_marks.csv", "r") as file:
    print(file.read())
    file.close()
```

```
student name,mark1,mark2,mark3,mark4

arul,72,77,88,99

raj,90,78,89,87

ross,89,58,66,86

asha,77,88,99,72

swathi,87,58,83,71
```

In [15]:
```
import csv
with open("student_marks.csv", "a") as wf:
    writer = csv.writer(wf)
    writer.writerow(['kumar', 89,72,69,76])
```

In [16]:
```
with open("student_marks.csv", "r") as rf:
    print(rf.read())
    rf.close()
```

```
student name,mark1,mark2,mark3,mark4

arul,72,77,88,99

raj,90,78,89,87

ross,89,58,66,86

asha,77,88,99,72

swathi,87,58,83,71

kumar,89,72,69,76
```

In [ ]:
```

```