

Day Objectives

- Text File Processing for Contacts Application
- Updating all methods of the Contacts Application

In [14]:

```

1  #Function to add contact to contacts text file
2  from Packages import validators
3  def addContact(name,phone,email):
4
5      # store data as name,phone,email in the contacts file
6      filename='Data Files\contacts.txt'
7      with open (filename,'a') as f:
8          line = name + ',' + str(phone) + ',' + email + '\n'
9          f.write(line)
10     print(name,'added to contacts file')
11     return
12     name=input()
13     phone=input()
14     email=input()
15     addContact(name,phone,email)
16
17

```

```

devi
098765432
devi23@gmail.com
syam
987654
False
kfrfr

```

In [16]:

```

1  # Function to check the contact already exists or not
2  import re
3  name=input()
4  def checkContactExists(name):
5      filename='Data Files\contacts.txt'
6      with open (filename,'r') as f:
7          filedata=f.read()
8          pattern=name + ','
9          return re.search(pattern,filedata)
10 if checkContactExists(name):
11     print( True)
12 else:
13     print(False)
14 #checkContactExists(name)
15

```

```

vfdff
False

```

Savig the given contacts to contacts file if not that name exists

In [25]:

```
1  #Function to add contact to contacts text file if doesn't only add
2  from Packages.validators import PhoneNumberValidator as pnv ,emailValidator
3  def addContact(name,phone,email):
4
5      # store data as name,phone,email in the contacts file
6      filename='Data Files\contacts.txt'
7      if not checkContactExists(name):
8          if pnv(phone) and env(email):
9              with open (filename,'a') as f:
10                 line = name + ',' + str(phone) + ',' + email + '\n'
11                 f.write(line)
12                 print(name,'added to contacts file')
13             else:
14                 print("Invalid Phone Number")
15                 print("Invalid Email")
16                 return
17         else:
18             print(name,'already exists')
19         return
20 def checkContactExists(name):
21     filename='Data Files\contacts.txt'
22     with open (filename,'r') as f:
23         filedata=f.read()
24         pattern=name + ','
25         return re.search(pattern,filedata)
26 name=input()
27 phone=input()
28 email=input()
29 addContact(name,phone,email)
```

```
syamu
9876543
0987654edfvbnjkl;
syamu already exists
```

In [1]:

```

1
2 filename='Data Files\contacts.txt'
3 def csvToList(filename):
4     li=[]
5     with open(filename , 'r') as f:
6         for line in f:
7             li.append(line.split(','))
8     return li
9 csvToList(filename)
10
11 def listToFile(li):
12     s=''
13     for i in li:
14         s += s.join(i)
15     return s
16
17 if __name__=="__main__":
18     li=csvToList(filename)
19     print(listToFile(li))
20

```

syamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
deviisysamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
9440772640syamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
devii2341@gmail.com
syamuuusyamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
deviisysamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
9440772640syamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
devii2341@gmail.com
8331063380syamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
deviisysamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com
98858841858syamu98858841848syamu123@gmail.com
syamuu123@gmail.com
9440772640syamu98858841848syamu123@gmail.com
syamusyamu98858841848syamu123@gmail.com

98858841858syamu98858841848syamu123@gmail.com
 syamuu123@gmail.com
 devii2341@gmail.com
 ndsjfhj@gmail.com

In []:

1

Maximum number

In [6]:

```
1 n=int(input())
2 s=input().split()
3 li=[]
4 for i in s:
5     li.append(int(i))
6 max=0
7 for j in li:
8     for k in range(1,len(li)):
9         sum=0
10        sum=sum+li[k]
11        if(max>sum):
12            max=max
13        else:
14            max=sum
15    #li=len(li)-1
16 print(max)
17
```

5
 1 3 1 2 5
 5

In []:

1

Mentors exam

In [40]:

```
1 # Function to find the Bobs and Alice Likes and dislikes
2 def likeDislikes(n,n1):
3     count=0
4     for i in range(1,len(n)):
5         if(n[i]==n1[i]):
6             count=count+1
7 n=input()
8 n1=input()
9 print(count)
10 likeDislikes(n,n1)
```

010101
 101101
 3

In []:

1

In []:

```
1  # Function to count the most occuring numbers in a given series
2  def mostOccuring(n):
3      n=input().split()
4      li=[]
5      for i in n:
6          li.append(int(i))
7  print(li)
8  mostOccuring(n)
```

In []:

1