In [ ]:
```
n=int(input())
l1=[]
l2=[]
for i in range(n):
    st=input()
    st1=input()
    l1=l1.append(list(map(int,st)))
    l2=l2.append(list(map(int,st1)))
print(l1)
print(l2)
```

In [5]:
```
#contacts
contacts={"name":[9776047715,"m.satheesh566@gmail.com"],"name2:":[9959169916,"ra
contacts
```

Out[5]:
```
{'name': [9776047715, 'm.satheesh566@gmail.com'],
 'name2:': [9959169916, 'raj@gmail.com'],
 'name3': [9985612519, 'dad@gmail.com']}
```

In [15]:
```
#add contact in to a contactfile
#from packages import validators
import re
# def phonevalidate(num):
#     pattern='^[6-9][0-9]{9}$|^[0][6-9][0-9]{9}|[+][9][1][6-9][0-9]{9}$'
#     if re.match(pattern,str(num)):
#         #print("valid no")
#         return True
#     else:

#         #print("notnvalid")
#         return False
# def emailValidator(email):
#    pattern = "^[0-9a-z][0-9a-z-.]{4,13}[0-9a-z][@][a-z0-9]{3,18}[.][a-z]{2,4}$
#    if re.match(pattern,email):
#         return True
#     return False
# phonevalidate(9676047715)
def addcontacts(name,phone,email):

    #store data in to file(name,phone,email)
    filename="DataFiles/contacts.txt"
    if not contactexists(name):
        if phonevalidate()
    with open(filename, 'a') as f:
        line=name + ","+phone+ " ,"+email+ '\n'
        f.write(line)
    print(name,"added to contacts")
    return

#contact existing or not checking
def contactsexist(name):
    filename="DataFiles/contacts.txt"
    with open(filename,'r') as f:
        filedata=f.read()
    return re.search(name,filedata)
if contactsexist("vinod"):
    print("True")
else:
    print("False")
contactsexist("muni")
# addcontacts("muni",str(9704012649),"muni@gmail.com")
```

```
True
```

Out[15]:
```
<re.Match object; span=(38, 42), match='muni'>
```

In [1]:
```
filename = './DataFiles/contacts.txt'
def csvToList(filename):
    li = []
    with open(filename, 'r') as f:
        for line in f:
            li.append(line.split(','))
    return li

def listToFile(li):
    s = ''
    for i in li:
        s += ','.join(i)
    return s

li = csvToList(filename)
listToFile(li)
```

Out[1]:
```
'vinod,9701550994 ,vinod@gmail.com\n12,muni,muni@gmail.com\n123,9704012649 ,mun
i@gmail.com\n'
```

In [26]:
```
# Function to add contact to contacts n text file
from packages.validatorss import phoneNumberValidator as pnv, emailValidator as e
#from Packages.validators import emailValidator as ev


def addContact(name, phone, email):
    # store data as name,phone,email in the contacts file
    filename = 'DataFiles/contacts.txt'
    if not checkContactExists(name):
        if pnv(phone) and ev(email):
            with open(filename, 'a') as f:
                line = name + ',' + str(phone) + ',' + email + '\n'
                f.write(line)
            print(name, 'added to contacts')
        else:
            print('Invalid Phone number or Email')
            return
    else:
        print(name, 'already exists')
    return
# Function to check if contact already exists

import re
# Function to check if contact already exists
def checkContactExists(name):
    filename = 'DataFiles/contacts.txt'
    with open(filename, 'r') as f:
        filedata = f.read()
        pattern = name+','
    return re.search(pattern, filedata)

addContact('sindhuja',8886265593,"sindhu123@gmail.com")
```

```
sindhuja added to contacts
```

In [ ]:
```
# Function to update contact n text file
from packages.validatorss import phoneNumberValidator as pnv, emailValidator as e
#from Packages.validators import emailValidator as ev


def updatecontact(name, phone, email):
    filename = 'DataFiles/contacts.txt'
    with open(filename,'r') as f:
        print(f.read())




addContact('sindhuja',8886265593,"sindhu123@gmail.com")
```

In [31]:
```
def csvToList(filename):
    with open(filename,'r') as f:
        f1=[]
        for line in f:
            f1.append(line.split(sep=','))
        return f1
csvToList('DataFiles/contacts.txt')
```

Out[31]:
```
[['vinod', '9701550994 ', 'vinod@gmail.com\n'],
 ['12', 'muni', 'muni@gmail.com\n'],
 ['123', '9704012649 ', 'muni@gmail.com\n'],
 ['sindhuja', '8886265593', 'sindhu123@gmail.com\n']]
```

In [35]:
```
def searchwithreturn(filename,name):
    f=csvToList(filename)
    flag=0
    for i in range(len(f)):
        if name==f[i][0]:
            flag=1
            return 1
    if flag==False:
        return -1
searchwithreturn('DataFiles/contacts.txt',"sindhuja")
```

Out[35]:
```
1
```

In [41]:
```
li=[]
```

In [42]:
```
def listToFile(li):
    s=''
    for i in li:
        s+=','.join(i)
    return s
listToFile(li)
```

Out[42]:
```
''
```

In [44]:
```
def updatecontact(filename,name,f,value):
    if searchwithreturn(filename,name)>=0:
        i=searchwithreturn(filename,name)
        if((int(f)==0)):
            f1=csvToList(filename)
            f1[i].pop(0)
            f1[i].insert(0,value)
            s=listToFile(f1)
            with open(filename,'w')as f:
                f.write(s)
                print("name updated")
        elif(int(f)==1):
            f1=csvToList(filename)
            f1[i].pop(1)
            f1[i].insert(1,value)
            s=listToFile(f1)
            with open(filename,'w')as f:
                f.write(s)
                print("phone no is updated")
        elif(int(f)==2):
            f1=csvToList(filename)
            f1[i].pop(2)
            f1[i].insert(2,value)
            s=listToFile(f1)
            with open(filename,'w')as f:
                f.write(s)
                print("emial is updated")
        else:
            print("contact not found")
filename="./DataFiles/contacts.txt"
updatecontact(filename,"sindhuja",0,"Kumar")
```

```
name updated
```

In [ ]: