

```

In [ ]: import os
print(' *-----* ')
print('|')
print('|          CONTACAT    BOOK          |')
print('|')
print(' *-----* ')
while True:
    print()
    print('1.Create a contact')
    print('2.View contact')
    print('3.Search contact by name')
    print('4.Search contact by mobile number')
    print('5.Delete contact book by name')
    print('6.update conatct book')
    print('7.Exit')
    print()
    while True:
        try:
            ch=int(input('Enter your choice:- '))
            break

        except:
            print()
            print('You enter by mistakely aphlbet or any special character.Please enter nur

    if ch == 7:
        print('End...!!!!!!')
        break

#Name and mobile number are enter in contact book

elif ch == 1:
    file=open('sagar.txt','a')
    file.close()

    while True:

        first_name = input('Enter your first_name:- ').capitalize()
        last_name  = input('Enter your last name:- ').capitalize()

        if first_name.isalpha() and last_name.isalpha():
            break

        else:
            print('By mistakely you enter wrong information or you enter other than alph

#This check when name already exist or not

    file = open('sagar.txt','r')
    while True: #.....1st

        d = file.readline()
        l = len(d)

        if l == 0:
            break
        g = d.split()

        if g[1].capitalize() == last_name and g[0].capitalize() == first_name :

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print ()
print ('first_Name and last_Name are already present. Please enter new f:
l=0
if g[1].capitalize() == last_name and g[0].capitalize() == first_name:

    first_name = input('Enter first name you want store :- ').capita
    last_name = input('Enter name you want store:- ').capitalize()
    #print('This first_name and last_name already present')
    continue
    #continue
break

print()
print('New first_name and last_name enter')
file.close()

while True:

    print()
    mob=input('Enter mobile number:- ')

    if len(mob)==10 and mob.isdigit():
        break

    else:
        print('you enter wrong mobile number')

#this check when mobile number already exit or not

file = open('sagar.txt','r')
flag = 0
while True:
    d = file.readline()
    l = len(d)

    if l == 0:
        break
    g = d.split()

    if g[3] == mob:
        print()
        print('Mobile number already present')
        print('Please enter new name')
        mob = input('Enter mobile number:- ')
        continue

if flag == 0:
    print('New mobile number enter')

file.close()
# name and mobile store in file
data = first_name+' '+last_name+' '+':-'+ ' '+mob+"\n"

with open('sagar.txt','a') as a:
    content=a.write(data)
    print(content)

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#contact book are view

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elif ch==2:

    print()
    print(' *-----* ')
    print(' |                                     | ')
    print(' |             DETAIL IN CONTACAT BOOK             | ')
    print(' |                                     | ')
    print(' *-----* ')
    print()

    #print(f'{first_name} | {last_name} | {mob}')
    print('  first_name          lastname          mobile_number      ')
    try:
        file = open('sagar.txt','r')
    except:
        print('File not present')
        break

    while True:
        d = file.readline()
        l = len(d)
        g=d.split()

        if l == 0:
            break
        #print(d.strip())
        print(' |-----| ')
        print(' f'          {g[0]}          {g[1]}          {g[3]} ')
    file.close()
```

#Detail search in contact book by name

```
elif ch == 3:

    print(' *-----* ')
    print(' |                                     | ')
    print(' |             SEARCH DETAIL             | ')
    print(' |                                     | ')
    print(' *-----* ')

    while True:

        search = input('Enter first_name you want search:- ').capitalize()

        if search.isalpha() :
            print('This first_name you want to search:- ',search)
            break

        else:
            print('Instead of first_name you enter other information')

    f = open('sagar.txt', 'r')
    flag = 0

    while True:
        d = f.readline()
        l = len(d)
```

```

if l == 0:
    break
g = d.split()

if g[0].capitalize() == search:
    print()
    #print('Record is found')
    print()
    print('          first name          last name          mobile number')
    print(' |-----|-----|-----|')
    print(f' |          {g[0]}          {g[1]}          {g[3]}          |')
    print(' |-----|-----|-----|')
    print()

    flag = 1

if flag == 0:
    print('Record is not found')
f.close()

```

#mobile number enter in contact book serach

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elif ch == 4:
    print(' *-----* ')
    print(' |                                     | ')
    print(' |          SEARCH DETAIL          | ')
    print(' |                                     | ')
    print(' *-----* ')
    while True:
        search = input('Enter mobile number you want search:- ')

        if len(search)==10 and search.isdigit():
            print()
            print('This mobile number you want search:- ',search)
            break

        else:
            print('By mistakly you enter any aplhabet in place of mobile number')

f = open('sagar.txt','r')
#flag is just initaliztion
flag = 0

while True:
    d = f.readline()
    l = len(d)

    if l == 0:
        break
    g = d.split()

    if g[3] == search:
        #print('Record is found')
        print()
        print('          first name          last name          mobile number')
        print(' |-----|-----|-----|')
        print(f' |          {g[0]}          {g[1]}          {g[3]}          |')
        print(' |-----|-----|-----|')
        print()

```

#flage=1 means record is found

```
        flag=1

    if flag==0:
        print('Record is not fouond')
    f.close()
```

#Delete contact in contact book with the help of name

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elif ch == 5:
    print(' *-----* ')
    print('|')
    print('|          DELETE PROCESS          |')
    print('|')
    print(' *-----* ')
    while True:
        search = input('Enter first_name you want delete:- ').capitalize()
        search1 = input('Enter last name you want delete:- ').capitalize()

        if search.isalpha() and search1.isalpha():
            #print('This name you want delete:- ',search)
            break

        else:
            print('By mistakely you enter wrong information or you enter other than alp

f = open('sagar.txt','r')
new_file = open('temp.txt','w')    #new file create
h = 0

while True:

    t = f.readline()
    l = len(t)

    if l == 0:
        break
    g = t.split()

    if g[0].capitalize() != search or g[1].capitalize() != search1:
        new_file.write(t)

    if g[0].capitalize() == search and g[1].capitalize() == search1:
        h = 1

f.close()
new_file.close()

if h==1:
    print()
    print('Record deleted successfully')

    os.remove('sagar.txt')
    os.rename('temp.txt','sagar.txt')

elif h==0:
    print('Record is not found...!!!! Deletion is unsuccessful ')
```

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# contact update method
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elif ch==6:
    print(' *-----* ' )
    print(' |                                     | ')
    print(' |               UPDATE CONTACT DETAIL               | ')
    print(' |                                     | ')
    print(' *-----* ' )

    while True:

        search = input('Enter frist_name you want update:- ') . capitalize()
        search1 = input('Enter last name you want update :- ') . capitalize()

        if search.isalpha() and search1.isalpha() :
            print('This first_name is you want update :- ',search)
            print('This last_name is you want update :- ',search1)
            break

        else:
            print('By mistakely you enter wrong information or you enter other than al

file = open('sagar.txt')
new_file = open('temp.txt','a')
#flag = 0
h = 0

while True:
    f = file.readline()
    l = len(f)

    if l==0:
        break

    g=f.split()
    if g[0] != search or g[1] != search1:
        new_file.write(f)
        continue

    if g[0] == search and g[1] == search1:
        print()
        print('current detali are found')
        print()

        new_first_name=input('You want enter a new first name? Enter new detailed
new_last_name=input('You want enter a new last name? Enter new detailed or

        while True:
            new_mob = input ('You want enter a new mobile number? Enter new deta

            if len(new_mob)==10 and new_mob.isdigit() or len(new_mob) == 0:
                print()
                print('You updated mobile number' )
                break

            else:
```

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        print('You enter wrong mobile number..!!!!')

    if len(new_first_name) == 0:
        new_first_name=g[0].capitalize()

    if len(new_last_name) == 0:
        new_last_name=g[1].capitalize()

    if len(new_mob) == 0:
        new_mob=g[3]
    new_file.write(new_first_name+' '+'+new_last_name+' '+'+new_mob+"\n")
    h = 1
    continue

file.close()
new_file.close()

if h == 1:
    print()
    print('Record are found ')
    print('Record updated sucessfully')
    os.remove('sagar.txt')
    os.rename('temp.txt', 'sagar.txt')

else:
    print()
    print('No such Record are present updation....')

else:
    print('Enter valid choice number..!!!!')

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*-----*
|                                     |
|             CONTACAT   BOOK        |
|                                     |
*-----*

```

- 1.Create a contact
- 2.View contact
- 3.Search contact by name
- 4.Search contact by mobile number
- 5.Delete contact book by name
- 6.update conatct book
- 7.Exit

In []: