

In [1]:

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from pickle import *

print('*'*70)
print('MAIN MENU'.center(100))
print(' '*30+' new file creation')
print(' '*30+'1. Insert Employee record')
print(' '*30+'2. Update ID ')
print(' '*30+'3. Delete ID ')
print(' '*30+'4. Exit')
print('*'*70)

#file_creation():
n=input('enter file name:-')
fm=input('enter the file type that you want to creat,Example (txt/csv/doc):-')
fname=n+'.'+fm
file=open(fname,'a')
content=file.write('ID No'+ ' '*15+'Name'+ ' '*15+'contact'+ ' '*15+'email'+ ' '*15+')
print(content)
file.close()
print()

def add_record():

    while True:
        ID=input('Enter A New Employee ID:-')
        if len(ID)!=3 or ID.isdigit()==False:
            print('ID should be 3 digits only')
        else:
            break
    name=input('Enter Employee Name:-')

    while True:
        contact=input('enter contact detail:-')
        if len(contact)!=10 or contact.isdigit()==False:
            print('Please Enter a valid mobile number')
        else:
            break

    print()
    while True:
        email=input('enter email ID:-')
        if '@' not in email or '.' not in email:
            print('Please Enter A valid Email ID')
        else:
            break
    print()
    print()
    status=input('Marital status? (Married/unmarried)')

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with open(fname,'a') as j:
    j.write(ID+' '*15)
    j.write(name+' '*15)
    j.write(contact+' '*15)
    j.write(email+' '*15)
    j.write(status+'\n')
    print('Record Added Successfully')
def Del():
    k=input('enter an ID you want to delete')
    with open(fname,'r') as f:
        All=f.readlines()
    with open(fname,'w') as f:
        for data in All:
            d=data.split('\t',1)
            if(d[0])!=k:
                f.writelines(data)

    print('record successfully deleted')

def update():
    k=input('Enter An ID to be Updated')
    with open(fname,'r') as f:
        all=f.readlines()
    with open(fname,'w') as f:
        for data in all:
            d=data.split(' '*15,1)
            if(d[0]==k):
                name=input('enter New Name:-')
                while True:
                    contact=input('enter new number:-')
                    if len(contact)!=10 or contact.isdigit()==False:
                        print('Please Enter a valid mobile number')
                    else:
                        break
                while True:
                    email=input('enter email ID:-')
                    if '@' not in email or '.' not in email:
                        print('Please Enter A valid Email ID')
                    else:
                        break
                f.writelines(d[0]+' '*15+name+' '*15+contact+' '*15+email+'\n')
            else:
                f.writelines(data)
        print('successfully updated')
def display():
    with open(fname,'rb+') as fil:
        rec=load(fil)
        rec.sort(key=lambda rec:rec['ID'])
        fil.seek(0)
        dump(rec,fil)

while True:
    choice=int(input('enter a choice from menu'))
    if choice==1:
        add_record()
    elif choice==2:

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        update()
    elif choice==3:
        Del()
    else:
        break

```

MAIN MENU

```

new file creation
1. Insert Employee record
2. Update ID
3. Delete ID
4. Exit

```

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enter file name:-emp1
enter the file type that you want to creat,Example (txt/csv/doc):-txt
88

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enter a choice from menu1
Enter A New Employee ID:-102
Enter Employee Name:-panday
enter contact detail:-9878789098

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enter email ID:-j@.com

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Marital status? (Married/unmarried)m
Record Added Successfully
enter a choice from menu2
Enter An ID to be Updated102
enter New Name:-hhg
enter new Number:-jg
new email:-jg
successfully updated
enter a choice from menu4

```

