```
In [10]: print("\n***Header format***\n")
         f=open("file_header.txt","w")
         f.write("PROJECT NAME: EMPLOYEE MANAGEMENT SYSTEM\n")
         f.write("AUTHOR:KALIRAJ AND MY CLOSE FRIEND INTERNET\n")
         f.write("DATE CREATED:22/11/2021\n")
         f.write("DATE LAST MODIFIED:22/11/2021\n")
         f.write("MY FIRST PYTHON PROJECT PROGRAM\n")
         f.write("KALIRAJ.A-21BIT0687\n")
         f.write("*************************************************\n")
         f.close()

         f=open("file_header.txt")
         for x in f:
             print(x)
         f.close()
         def userChoice():
             print("*********Welcome to my Company Web Manager*********")
             print("1.Add Employee\n2.Retrieve All Employee's\n3.Update Employee\n4.Delete Employee"+
                   "\n5.Search Employee\n6.Admin\n7.Project Details\n8.Company Details\n")
             n=int(input("Enter your choice:"))
             if(n==1):
                 addEmployee()
             elif(n==2):
                 retrieveAll()
             elif(n==3):
                 emp=input("Enter Employee Name:")
                 updateEmployee(emp)
             elif(n==4):
                 emp=input("Enter Employee Name:")
                 deleteEmployee(emp)
             elif(n==5):
                 emp=input("Enter Employee Name:")
                 employeeSearch(emp)
             elif(n==6):
                 userName=input("Enter UserName:")
                 passWord=input("Enter PassWord:")
                 if(userName=='admin' and passWord=='2903'):
                     admin()
                 else:
                     print("You are not an admin\nAccess Denied")
             elif(n==7):
                 project()
             else:
                 print("Invalid Input")
         emp=[]
         a=['bharath','28','male','B.E','2 years','2/256,anna nager,chennai','9098765423']
         emp.append(a)
```

```python
rev=[]
rev.append(10000000000)
def companyDetails():
    print("********BN infotech MNC PVT Ltd ********\n")
    print("****Number one MNC in TamilNadu****\n")
    print("******Bharath Nager-7th Road*****\n")
    print("*****Thamparam Chennai-600018******\n")
    print("*******mobile:9123456789******")
def addEmployee():
    print("Register Here As New User\n")
    name=input("Enter Employee Name:\n")
    age=input("Enter Employee Age:\n")
    gen=input("Enter Employee Gender:\n")
    qul=input("Enter the Highest Qulaification:\n")
    exp=input("Enter Your Experience:\n")
    add=input("Enter Your Address:\n")
    mob=input("Enter Your Mobile Number:\n")
    if(len(mob)!=10 and not mob.startswith("9") or not mob.startswith("8") or not mob.startswith("7") or not mob.star
        mob=input("Enter Your Mobile Number Again:")
    a=name+" "+age+" "+gen+" "+qul+" "+exp+" "+add+" "+mob
    b=list(str(x) for x in a.split(" "))
    emp.append(b)
    print("Successfully registered as Employee!!!")
def employeeSearch(e):
    for i in range(len(emp)):
        if(emp[i][0]==e):
            print("Employee Name:"+emp[i][0]+"\n")
            print("Employee Age:"+emp[i][1]+"\n")
            print("Employee Gender:"+emp[i][2]+"\n")
            print("Employee Qulaification:"+emp[i][3]+"\n")
            print("Employee Experience:"+emp[i][4]+"\n")
            print("Employee Address:"+emp[i][5]+"\n")
            print("Employee Mobile Number:"+emp[i][6]+"\n")
def retrieveAll():
    for i in range(len(emp)):
        print("Employee Name:"+emp[i][0]+"\n")
        print("Employee Age:"+emp[i][1]+"\n")
        print("Employee Gender:"+emp[i][2]+"\n")
        print("Employee Qulaification:"+emp[i][3]+"\n")
        print("Employee Experience:"+emp[i][4]+"\n")
        print("Employee Address:"+emp[i][5]+"\n")
        print("Employee Mobile Number:"+emp[i][6]+"\n")
def updateEmployee(e):
    if(len(emp)==0):
        print("No Employee available to update")
    else:
        print("1.Name\n2.Age\n3.Gender\n4.Qulaification\n5.Experience\n6.Address\n7.Mobile Number\n")
        for i in range(len(emp)):
```

```python
            if(emp[i][0]==e):
                m=int(input("How many upadate do you want to perform:"))
                for k in range(m):
                    n=int(input("Enter Your choice to update:"))
                    if(n==1):
                        emp[i][0]=(input("Enter Employee Name to update:"))
                    elif(n==2):
                        emp[i][1]=(input("Enter Employee Age to update:"))
                    elif(n==3):
                        emp[i][2]=(input("Enter Employee Gender to update"))
                    elif(n==4):
                        emp[i][3]=(input("Enter Employee Qulaification to update:"))
                    elif(n==5):
                        emp[i][4]=(input("Enter Employee Experience to update:"))
                    elif(n==6):
                        emp[i][5]=(input("Enter Employee Address to update:"))
                    elif(n==7):
                        emp[i][6]=(input("Enter Employee Mobile Number to update:"))
                    empp=emp[i][0]
        print("1.Preview\n2.Close\n")
        n=int(input("Enter Your choice:"))
        if(n==1):
            employeeSearch(empp)
        elif(n==2):
            print("your data updated Successfully")
def deleteEmployee(emp):
    for i in range(len(emp)):
        if(emp[i][0]==emp):
            emp[i].clear()
    print("Employee Data deleted Successfully!!!")
def admin():
    print("Total Doctor's:",len(emp))
    print("\n")
    print("Total Revenue:",rev[0])
    print("\n")
    print("Total Revenue from Projects:",cos[0])
    print("\n")
    print("Total money spend for project and others:",rev[0])
    print("\n")
    print("Total Profit:",rev[0]-cos[0])
    print("\n")
pro=[]
cos=[]
cos.append(10000)
mon=[]
mon.append(10000)
def project():
    pro_name=input("Enter Project Name:\n")
```

```python
    Time=input("Enter Time to complete:\n")
    Cost=input("Enter Cost of Project:\n")
    Man=input("Enter the  Project Manager:\n")
    loss=input("Enter the  Project  Loss cost:\n")
    a=pro_name+" "+Time+" "+Cost+" "+Man+" "+loss
    b=list(str(x) for x in a.split(" "))
    pro.append(b)
    cos[0]=cos[0]+int(Cost)
    mon[0]=mon[0]+int(loss)
    print("Successfully Project Registered!!!")
n=int(input("Enter number of time do you want to test:"))
for i in range(n):
    userChoice()
```

```
***Header format***

PROJECT NAME: EMPLOYEE MANAGEMENT SYSTEM

AUTHOR:KALIRAJ AND MY CLOSE FRIEND INTERNET

DATE CREATED:22/11/2021

DATE LAST MODIFIED:22/11/2021

MY FIRST PYTHON PROJECT PROGRAM

KALIRAJ.A-21BIT0687

**************************************************

Enter number of time do you want to test:5
*********Welcome to my Company Web Manager*********
1.Add Employee
2.Retrieve All Employee's
3.Update Employee
4.Delete Employee
5.Search Employee
6.Admin
7.Project Details
8.Company Details

Enter your choice:1
Register Here As New User

Enter Employee Name:
Lilly
```

Enter Employee Age:
26
Enter Employee Gender:
female
Enter the Highest Qulaification:
B.Tech
Enter Your Experience:
1year
Enter Your Address:
1/2A,T.Nager,chennai
Enter Your Mobile Number:
9876543210
Enter Your Mobile Number Again:9876543210
Successfully registered as Employee!!!
*********Welcome to my Company Web Manager*********
1.Add Employee
2.Retrieve All Employee's
3.Update Employee
4.Delete Employee
5.Search Employee
6.Admin
7.Project Details
8.Company Details

Enter your choice:2
Employee Name:bharath

Employee Age:28

Employee Gender:male

Employee Qulaification:B.E

Employee Experience:2 years

Employee Address:2/256,anna nager,chennai

Employee Mobile Number:9098765423

Employee Name:Lilly

Employee Age:26

Employee Gender:female

Employee Qulaification:B.Tech

Employee Experience:1year

Employee Address:1/2A,T.Nager,chennai

Employee Mobile Number:

*********Welcome to my Company Web Manager*********
1.Add Employee
2.Retrieve All Employee's
3.Update Employee
4.Delete Employee
5.Search Employee
6.Admin
7.Project Details
8.Company Details

Enter your choice:3
Enter Employee Name:Lilly
1.Name
2.Age
3.Gender
4.Qulaification
5.Experience
6.Address
7.Mobile Number

How many upadate do you want to perform:7
Enter Your choice to update:1
Enter Employee Name to update:lilly
Enter Your choice to update:2
Enter Employee Age to update:27
Enter Your choice to update:3
Enter Employee Gender to updatefemale
Enter Your choice to update:4
Enter Employee Qulaification to update:B.E
Enter Your choice to update:6
Enter Employee Address to update:2,T.nager,vellore
Enter Your choice to update:7
Enter Employee Mobile Number to update:9887766765
Enter Your choice to update:5
Enter Employee Experience to update:2year
1.Preview
2.Close

Enter Your choice:1
Employee Name:lilly

Employee Age:27

Employee Gender:female

Employee Qulaification:B.E

Employee Experience:2year

Employee Address:2,T.nager,vellore

Employee Mobile Number:9887766765

*********Welcome to my Company Web Manager*********
1.Add Employee
2.Retrieve All Employee's
3.Update Employee
4.Delete Employee
5.Search Employee
6.Admin
7.Project Details
8.Company Details

Enter your choice:5
Enter Employee Name:lilly
Employee Name:lilly

Employee Age:27

Employee Gender:female

Employee Qulaification:B.E

Employee Experience:2year

Employee Address:2,T.nager,vellore

Employee Mobile Number:9887766765

*********Welcome to my Company Web Manager*********
1.Add Employee
2.Retrieve All Employee's
3.Update Employee
4.Delete Employee
5.Search Employee
6.Admin
7.Project Details
8.Company Details

Enter your choice:6
Enter UserName:admin

```
Enter PassWord:2903
Total Doctor's: 2


Total Revenue: 10000000000


Total Revenue from Projects: 10000


Total money spend for project and others: 10000000000


Total Profit: 9999990000
```

In [ ]: