```
f=open("/content/emp.csv","r")
contents=f.read()
print(contents)
f=open("/content/emp.csv","r")
contents=f.read()
lines=contents.split("\n")
eid=[];nm=[];desgn=[];sal=[];
for l in lines:
  words=l.split(",")
  print(words)
  eid.append(int(words[0]))
  nm.append(words[1])
  desgn.append(words[2])
  sal.append(int(words[3]))
  print("Employee Ids:",eid)
  print("Employee Names:",nm)
  print("Employee Designations:",desgn)
  print("Employee Salary:",sal)
  #Max Salary
  print("Maximum Salary:",max(sal))
  #Min Salary
  print("Minimum Salary:",min(sal))
  #Average Salary
  print("Average Salary:",sum(sal)/len(sal))
  #Total Salary
  print("Total Salary:",sum(sal))
  #Employee whose Salary is maximum
  print("Employee Name whose salary is
maximum",nm[sal.index(max(sal))])
  #Employee whose Designation is Manager
  print("Employee Name whose designation is manager",end="")
  for i in range(len(desgn)):
    if desgn[i]=="Manager" or desgn[i]=="manager":
      print(nm[i],end="")
```

```
  #Employee whose salary is 1000000000
  print("Employee Name whose salary is 1000000000
:",nm[sal.index(1000000000)])
  #Employee whose salary is minimum
  print("\nEmployee Name whose salary is
minimum:",nm[sal.index(min(sal))])
  #Employee whose Designarion is sr.Manager
  print("\nEmployee Name whose designation is Sr.Manager",end="")
  for l in range(len(desgn)):
    if desgn[i]=="Sr.Manager" or desgn[i]=="Sr.msnager":
      print(nm[i],end="")
  f=0
  #Employee whose salary is 80000000
  for i in range(len(sal)):
    if sal[i]==80000000:
      print("\nEmployee Name whose salary is 80000000:",nm[i])
      f=1
    if(f==0):
      print("\nNo any Employee present whose salary i`s
80000000:",nm[i])
```

```
[ ]   for i in range(len(sal)):
        if sal[i]==80000000:
          print("\nEmployee Name whose salary is 80000000:",nm[i])
          f=1
        if(f==0):
          print("\nNo any Employee present whose salary i`s 80000000:",nm[i])
```

```
['1', 'Gayatri', 'Manager', '1000000000']
Employee Ids: [1]
Employee Names: ['Gayatri']
Employee Designations: ['Manager']
Employee Salary: [1000000000]
Maximum Salary: 1000000000
Minimum Salary: 1000000000
Average Salary: 1000000000.0
Total Salary: 1000000000
Employee Name whose salary is maximum Gayatri
Employee Name whose designation is managerGayatriEmployee Name whose salary is 1000000000 : Gayatri

Employee Name whose salary is minimum: Gayatri

Employee Name whose designation is Sr.Manager
No any Employee present whose salary i`s 80000000: Gayatri
['2', 'Anant', 'Sr.Manager', '950000']
Employee Ids: [1, 2]
Employee Names: ['Gayatri', 'Anant']
Employee Designations: ['Manager', 'Sr.Manager']
Employee Salary: [1000000000, 950000]
Maximum Salary: 1000000000
Minimum Salary: 950000
Average Salary: 500475000.0
Total Salary: 1000950000
```

Assignment no 1-b

INPUT-

```
f1 = open("/content/emp5.csv","r")
f2 = open("/content/emp6.csv","r")
f3 =open("/content/emp_sal.csv","w")
contents1=f1.read()
contents2=f2.read()
print(contents1)
print(contents2)
nm = []
sal = []
lines1=contents1.split("\n")
lines2=contents2.split("\n")
for l1 in lines1:
  words1=l1.split(",")

  for l2 in lines2:
    words2=l2.split(",")
    if(words1[0]==words2[0]):
      l1 = l1 + "," +words2[1]+","+words2[2] +"\n"
      f3.write(l1)

      nm.append(words1[1])
      sal.append(int(words2[2]))
      print(l1)

f1.close()
f2.close()
f3.close()

print(nm)
print(sal)
```

OUTPUT-

```
1,Sanika,Pune
2,Hemlata,Pune
3,Baban,Nashik
4,Namrata,Nashik
5,Saloni,Mumbai
1,CEO,1000000
```

```
2,Manager,150000
3,GeneralMANAGER,90500
4,Manager,100500
5,CEO,85000
1,Sanika,Pune,CEO,1000000

2,Hemlata,Pune,Manager,150000

3,Baban,Nashik,GeneralMANAGER,90500

4,Namrata,Nashik,Manager,100500

5,Saloni,Mumbai,CEO,85000

['Sanika', 'Hemlata', 'Baban', 'Namrata', 'Saloni']
[1000000, 150000, 90500, 100500, 85000]
```

#Assignment 1c--Read the birth date of employees from the Employee record. perform data transformation for birthdate to age a #which is in rupees to salary in dollar

1,Sanika,Pune,17-12-2003,1000000

2,Baban,Shirwal,1-06-1982,4500000

3,Namrata,Koregaon,19-11-1986,7890000

4,Hemlata,Mumbai,23-09-2000,43000

5,Saloni,Nashik,13-02-2005,1200000

INPUT-

```
import datetime
import csv
f=open("/content/EMP1.csv","r")

data=list(csv.reader(f))

print(data)



from datetime import date

def calculateAge(birthdate):
  today=date.today()
  age=today.year-birthdate.year-((today.month,today.day)<(birthdate.month,birthdate.day))
```

```
  return age


bdate=[]

age=[]

dollars=[]


for i in range(len(data)):

  print(data[i][1])


  bdate.append(datetime.datetime.strptime(data[i][3],'%d-%m-%Y').date())

print("birthdate=",bdate)


for i in range(len(data)):

  age.append(calculateAge(bdate[i]))

  dollars.append((float(data[i][4]))/82)


print("Age=",age)

print("Salay=",dollars)
```

OTPUT

-

[['1', 'Sanika', 'Pune', '17-12-2003', '1000000'], ['2', 'Baban', 'Shirwal', '1-06-1982', '4500000'], ['3', 'Namrata', 'Koregaon', '19-11-1986', '7890000'], ['4', 'Hemlata', 'Mumbai', '23-09-2000', '43000'], ['5', 'Saloni', 'Nashik', '13-02-2005', '1200000']]

Sanika

Baban

Namrata

Hemlata

Saloni

birthdate= [datetime.date(2003, 12, 17), datetime.date(1982, 6, 1), datetime.date(1986, 11, 19), datetime.date(2000, 9, 23), datetime.date(2005, 2, 13)]

Age= [19, 40, 36, 22, 18]

Salay= [12195.121951219513, 54878.04878048781, 96219.51219512195, 524.390243902439, 14634.146341463415]