Assignment 1 A

```
#Find statistical analysis of employee records
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("Minimun 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 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 1000000
print("\nEmployee Name whose salary is
1000000:",nm[sal.index(1000000)])

#Employee whose salary is minimum
print ("\nEmployee whose salry is minimum:",nm[sal.index(min(sal))])

#Employee whose Designation is Sr. Manager
```

```
print("\nEmployee whose designation is Sr.Manager",end=" ")
for i in range(len(desgn)):
  if desgn[i]=="Sr.Manager" or desgn[i]=="Sr.manager":
    print(nm[i],end=" ")

#Employee whose salary is 500000
for i in range(len(sal)):
  if sal[i]==500000:
    print("\nEmployee Name whosr salary is 500000",nm[i])
    f=1

if(f==0):
  print("\nNo any employee present whose salary is 500000:",nm[i])
```

OUTPUT

```
['1', 'Kiran', 'Manager', '1000000']
['2', 'Gayatri', 'Sr.Manager', '500000']
['3', 'Vaishnavi', 'Manager', '300000']
['4', 'Siya', 'Sr.Manager', '100000']
['5', 'Vijay', 'Supervisor', '50000']
Employee IDS: [1, 2, 3, 4, 5]
Employee Names: ['Kiran', 'Gayatri', 'Vaishnavi', 'Siya', 'Vijay']
Employee Designations: ['Manager', 'Sr.Manager', 'Manager',
'Sr.Manager', 'Supervisor']
Employee Salary: [1000000, 500000, 300000, 100000, 50000]
Maximum Salary: 1000000
Minimun Salary: 50000
Average Salary: 390000.0
Total Salary: 1950000
Employee name whose salary is maximum Kiran
Employee whose designation is manager Kiran Vaishnavi
Employee Name whose salary is 1000000: Kiran

Employee whose salry is minimum: Vijay

Employee whose designation is Sr.Manager Gayatri Siya
Employee Name whosr salary is 500000 Gayatri
```

Assignment 1 B

INPUT

```
f1=open("/content/emp1.csv","r")
f2=open("/content/sal.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,kiran,kalyan
2,gayatri,buldhana
3,kanchan,nashik
4,shravani,aurangabad
5,vaishnavi,ahmednagar
1,manager,200000
2,senior manager,300000
3,manager,100000
4,senior manager,300000
5,supervisor,400000

1,kiran,kalyan,manager,200000
2,gayatri,buldhana,senior manager,300000
3,kanchan,nashik,manager,100000
4,shravani,aurangabad,senior manager,300000
5,vaishnavi,ahmednagar,supervisor,400000
```

Assignment 1 C

INPUT

```
#assignment 1c--Read the birth date of employee from the employee
reading
# which is in rupees to salary in dollars.
import datetime
import csv
f=open("/content/kiranemp.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))
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("salary=",dollars)
```

OUTPUT

```
[['1', 'kiran', 'kalyan', '24-01-2004', '5000'], ['2', 'vedant',
'nashik', '16-09-2003', '10000'], ['3', 'kanchan', 'don', '02-02-2005',
'100000'], ['4', 'dhananjay', 'nashik', '15-05-2006', '50000'], ['5',
'gayatri', 'buldhana', '15-01-2004', '60000']]
kiran
vedant
kanchan
dhananjay
gayatri
birthdate= [datetime.date(2004, 1, 24), datetime.date(2003, 9, 16),
datetime.date(2005, 2, 2), datetime.date(2006, 5, 15),
datetime.date(2004, 1, 15), datetime.date(2004, 1, 24),
```

```
datetime.date(2003, 9, 16), datetime.date(2005, 2, 2),
datetime.date(2006, 5, 15), datetime.date(2004, 1, 15)]
Age= [None, None, None, None, None]
salary= [60.97560975609756, 121.95121951219512, 1219.5121951219512,
609.7560975609756, 731.7073170731708]
```