```
import csv

f1=open("/content/sample_data/pacient.csv","r")
f2=open("/content/sample_data/doctor.csv","r")
f3=open("/content/sample_data/nurse.csv","r")

data1 = list(csv.reader(f1))
data2 = list(csv.reader(f2))
data3 = list(csv.reader(f3))

sno=[]
nmp=[]
dis=[]
bill=[]
nmd=[]
ds=[]
sal=[]
np=[]
nmn=[]
nsal=[]
npa=[]
shift=[]
hrs=[]
disnm=[]
mednm=[]
mfd=[]
exp=[]

for i in range(len(data1)):
  sno.append(int(data1[i][0]))
  nmp.append(data1[i][1])
  dis.append(data1[i][2])
  bill.append(int(data1[i][3]))

  nmd.append(data2[i][0])
  ds.append(data2[i][1])
  sal.append(int(data2[i][2]))
  np.append(int(data2[i][3]))

  nmn.append(data3[i][0])
  nsal.append(int(data3[i][1]))
  npa.append(int(data3[i][2]))
  shift.append(data3[i][3])
  hrs.append(int(data3[i][4]))

print("SNO:",sno)
print("Namep:",nmp)
```

```
print("dis:",dis)
print("bill:",bill)

print("namedoctor:",nmd)
print("disease specialist:",ds)
print("doctor sal:",sal)
print("no.patient:",np)

print("nurse name:",nmn)
print("nurse salary:",nsal)
print("no. patient:",npa)
print("shift:",shift)
print("hours:",hrs)
```

output:

```
SNO: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
Namep: ['siri', 'neha', 'aditi', 'ram', 'sham', 'riya', 'priya',
'rohan', 'rahul', 'atish']
dis: ['heart problems', 'cataract', 'throat infection', 'cancer', 'join
pain', 'throat infection', 'jaundice', 'covid', 'diabetes', 'bone
fracture']
bill: [50000, 2000, 32000, 100000, 15000, 20000, 30000, 40000, 2000,
30000]
namedoctor: ['kartik', 'deepa', 'sam', 'manas', 'snehal', 'ashwini',
'asif', 'urvi', 'akansha', 'sanskruti']
disease specialist: ['heartproblems', 'throat infection', 'jaundice',
'join pain', 'cancer', 'cataract', 'diabetes', 'homeopathy', 'bone
fracture', 'covid']
doctor sal: [3000, 1000, 6000, 200, 12000, 1000, 15000, 800, 10000,
30000]
no.patient: [3, 6, 9, 1, 4, 3, 6, 0, 2, 7]
nurse name: ['nurse1', 'nurse2', 'nurse3', 'nurse4', 'nurse5',
'nurse6', 'nurse7', 'nurse8', 'nurse9', 'nurse10']
nurse salary: [10000, 3000, 2000, 6000, 80000, 9000, 1200, 13000, 2300,
7800]
no. patient: [3, 8, 2, 1, 9, 2, 4, 7, 9, 1]
shift: ['day', 'day', 'night', 'afternoon', 'day', 'afternoon',
'night', 'night', 'afternoon', 'day']
hours: [8, 3, 5, 6, 7, 9, 6, 8, 6, 5]
```

```
#1
print("Highest bill:",max(bill))
```

output:

```
Highest bill: 100000
```

```
#2
print("name of patient:",nmp[bill.index(max(bill))])
```

output: name of patient: ram

```
#3
print("name of doctor with highest salary : ",nmd[sal.index(min(sal))])
```

output:

```
name of doctor with highest salary :  manas
```

```
#4
c=0
for i in range(len(bill)):
  if(bill[i]>10000):
    c=c+1
print("no.of patient having bill greater than 10000 is : ",c)
```

output:

```
no.of patient having bill greater than 10000 is :  8
```

```
#5
d=0
for i in range(len(shift)):
  if(shift[i]=='day'):
    d=d+1
print("no of nurses for day shift: ",d)
```

output:

```
no of nurses for day shift:  4
```

```
#6
print("name of doctor:",nmn[nsal.index(max(nsal))])
```

output:

```
name of doctor: nurse5
```

```
#7
print("which nurse work for highest hours:",nmn[hrs.index(max(hrs))])
```

output:

```
which nurse work for highest hours: nurse6
```

```
#8
dollar=0
for i in range(len(sal)):
  dollar=sal[i]/82.4
```

```
  print("sal in dollar:",dollar)
```

output:

```
sal in dollar: 36.40776699029126
sal in dollar: 12.135922330097086
sal in dollar: 72.81553398058252
sal in dollar: 2.4271844660194173
sal in dollar: 145.63106796116503
sal in dollar: 12.135922330097086
sal in dollar: 182.0388349514563
sal in dollar: 9.70873786407767
sal in dollar: 121.35922330097087
sal in dollar: 364.0776699029126
```

```
#9
n=0
for i in range(len(dis)):
  if(dis[i][0]==ds[i][0]):
    n=n+1
    print("name of patient with doctor:",nmp[i],nmd[i])
```

output:

```
name of patient with doctor:: siri kartik
```

```
#10
print("give patients information:",data1)
```

output:

```
give patients information: [['1', 'siri', 'heart problems', '50000',
'01-01-2000'], ['2', 'neha', 'cataract', '2000', '25-06-2004'], ['3',
'aditi', 'throat infection', '32000', '15-03-2003'], ['4', 'ram',
'cancer', '100000', '12-02-2002'], ['5', 'sham', 'join pain', '15000',
'16-12-2001'], ['6', 'riya', 'throat infection', '20000', '15-09-
2007'], ['7', 'priya', 'jaundice', '30000', '02-05-2005'], ['8',
'rohan', 'covid', '40000', '01-08-2007'], ['9', 'rahul', 'diabetes',
'2000', '09-07-2000'], ['10', 'atish', 'bone fracture', '30000', '30-
04-2001']]
```

```
#11
import csv
from datetime import datetime
f1=open("/content/sample_data/pacient.csv","r")
data1=list(csv.reader(f1))
def cal_age(bd):
  td=datetime.today()
  age=(td.year-bd.year-((td.month,td.day)<(bd.month,bd.day)))
  return age
```

```
age=[]
for i in range(len(data1)):
  bd=datetime.strptime(data1[i][4],'%d-%m-%Y')
  age.append(str(cal_age(bd)))
print("patients age:",age)
```

output:

```
patients age: ['23', '18', '20', '21', '21', '15', '18', '15', '22',
'22']
```