ASSIGNMENT 2:

```
#INPUT


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=[]
name_of_patient=()
disease=[]
bill=[]
date_of_admission=()
name_of_doctor={}
diseses_specialist=[]
name_of_nurse=()
salary={}
no_of_patient=[]
shift={}
hrs_of_working=[]
l1=[]
l2=[]
l3=[]


for i in range (1,len(data1)):

  print(data1[i])
  sno.append(data1[i][0])
  l1.append(data1[i][1])
  disease.append(data1[i][2])
  bill.append(data1[i][3])
  l2.append(data1[i][4])
  diseses_specialist.append(data2[i][1])
  no_of_patient.append(data3[i][2])
  hrs_of_working.append(data3[i][4])
  l3.append(data3[i][0])

name_of_patient= tuple(l1)
```

```
date_of_admission= tuple(l2)
name_of_nurse= tuple(l3)

for k in nmd.keys():
  print(k , nmd[k])

for k in sal.keys():
  print(k , sal[k])

for k in shift.keys():
  print(k , shift[k])
```

OUTPUT:

```
['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']
```

INPUT:

```
#1 add diseases
disease[1:3]=["cold","fever"]
print(disease)
```

OUTPUT:

```
['cataract', 'cold', 'fever', 'join pain', 'throat infection',
'jaundice', 'covid', 'diabetes', 'bone fracture']
```

INPUT:

```
#2 no.nurses
print(name_of_nurse)
print("no. of nurses are",len(name_of_nurse))
```

OUTPUT:

('nurse2', 'nurse3', 'nurse4', 'nurse5', 'nurse6', 'nurse7', 'nurse8', 'nurse9', 'nurse10')
no. of nurses are 9

INPUT:

```
#3 show patients from 4th patient
print(name_of_patient)
print(name_of_patient[4:])
```

OUTPUT:

```
('neha', 'aditi', 'ram', 'sham', 'riya', 'priya', 'rohan', 'rahul',
'atish')
('riya', 'priya', 'rohan', 'rahul', 'atish')
```

INPUT:

```
#4 give name of patients and date of addmision in same tuple
tuple=name_of_patient+date_of_admission
print(tuple)
```

OUTPUT:

```
('neha', 'aditi', 'ram', 'sham', 'riya', 'priya', 'rohan', 'rahul',
'atish', '25-06-2004', '15-03-2003', '12-02-2002', '16-12-2001', '15-
09-2007', '02-05-2005', '01-08-2007', '09-07-2000', '30-04-2001')
```

INPUT:

```
#5 add name of nurse
y= ("NURSE",)
name_of_nurse=name_of_nurse+y
print(name_of_nurse)
```

OUTPUT:

```
('nurse2', 'nurse3', 'nurse4', 'nurse5', 'nurse6', 'nurse7', 'nurse8',
'nurse9', 'nurse10', 'NURSE')
```

INPUT:

```
# Dictionary
z1={"1":"snehal","heart": "50000"}
z2={"2":"sam","eye":"2000"}
z3={"3":"shreya","throt":"32000"}
x1=z1["1"]
x2=z2["2"]
x3=z3["3"]
print(x1)
print(x2)
print(x3)
```

OUTPUT:

```
snehal
sam
Shreya
```

INPUT:

```
#6 update name of patient
z1.update({"3":"shreya"})
print(z1)
```

OUTPUT:

```
{'1': 'snehal', 'heart': '50000', '3': 'shreya'}
```

INPUT:

```
#7 discharge old patient
z2.pop("2")
print(z2)
```

OUTPUT:

```
{'eye': '2000'}
```

INPUT:

```
#8 delete old patient
del z3["3"]
print(z3)
```

OUTPUT:

```
{'throt': '32000'}
```

INPUT:

```
#SET
#9 removing unkown paient name
patient_name = {"snehal","sam","shreya","priya","ram","sham","riya"}
print('patient name:',patient_name)
removedvalue=patient_name.discard("priya")
print(patient_name)
```

OUTPUT:

```
patient name: {'riya', 'sham', 'shreya', 'snehal', 'priya', 'ram',
'sam'}
{'riya', 'sham', 'shreya', 'snehal', 'ram', 'sam'}
```

INPUT:

```
#10 adding new paicent to the set
patient_name = {"snehal","sam","shreya","ram","sham","riya"}
print('patient name:',patient_name)
patient_name.add("priya")
print(patient_name)
```

OUTPUT:

patient name: {'riya', 'sham', 'shreya', 'snehal', 'ram', 'sam'}
{'riya', 'sham', 'shreya', 'snehal', 'priya', 'ram', 'sam'}

INPUT:

```
#11 patient id fetching
patient_id = {1,2,3,4,5,6,7}
print('patient ID:', patient_id)
#patient name fetching
patient_name = {"snehal","sam","shreya","ram","sham","riya"}
print('patient name:',patient_name)
```

OUTPUT:

```
patient ID: {1, 2, 3, 4, 5, 6, 7}
patient name: {'riya', 'sham', 'shreya', 'snehal', 'ram', 'sam'}
```