My code is built on a function to understand various variations, this function analyzes situations and outputs required answers.

Take a function(patient system)

```
For g in lines:

If patient system starts with "create"

call create()

If patient system starts with "list"

call list()

If patient system starts with "remove"

call remove()

If patient system starts with "probability"

call probability()

If patient system starts with "recommendation"

call recommendation()
```

My code is built on a function to understand various variations, this function analyzes situations and outputs required answers.

```
def PatientSystem():

for g in lines:

if g.startswith("create"):

create(g)

if g.startswith("remove"):

remove(g)

if g.startswith("probability"):

probability(g)

if g.startswith("recommendation"):

recommen(g)

if g.startswith("list"):

tabloyap(g)

PatientSystem()
```

My first function "create" ensures that the sentence with create is detected at the beginning of the function of this function and applies its own operations to it. It disconnects the received sentence from the create keyword and detects the already written patient information and saves it to the system.

Take function create(g):

```
a =g[7::]
data.append(a.split(, ))
print feedback
```

My second function is "remove", this function deletes the records of the patients whose information has been entered into the system. The way it works is to see the "remove" data entered first, and then removes the sentence and deletes the list containing the information belonging to the remaining name from the system. If a data that is not in the system is encountered, a corresponding return After the function directs the entered input to the "remove" function, it writes the g[7::] expression starting from the 7th character of the g input, and then the remaining name is equal to the 0th index of our "i" value, which scans the lists with the "for" loop, then "i" Our list representing the value " is being deleted from the system.

Take function remove(g):

```
For i in data

If g[7::]= i[0]

Dissappend i in data

print feedback
```

Else:

print feedback

The third function is the "probability" function, the operation style of it is to process the patient information and reveal the cancer risk. The way it works is to briefly enter the system, if the input starts with "probability", it enters the function, then the "probability" statement at the beginning is deleted, the list of the remaining name is similar to the "remove" function. With the "for" loop, the numerical information belonging to the patient is read. After these are processed in the formula related to the subject I found on the internet, the cancer risk is recorded in a new database and the risk is given as output.

Take fonction probability(g):

For i in data:

```
if g[12::] = i[0]
calculate i[3]/(i[3]+1-i[1]
```

print feedback

else:

print feedback

```
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```

If the system extracts an unregistered patient name, it will be recognized by the system and output will be displayed accordingly.

the fourth function indicates whether there is a cure for registered names

the way it works, there is a name matching system similar to the previous "for" loops. If there is a match, it evaluates the numerical information of the person and indicates whether the treatment is available.

For i in data:

If g[15::]=i[0]:

if i[5]>30:

Print have a treatment:

else:

return

print NOT have a treatment

Else:

print NOT have a treatment

The last function puts the patients in the table according to the information entered and presents their information in the form of output.

NAME1					
İNFO 1	ÍNFO2	İNFO3	İNFO4	İNFO5	İNFO6

```
NAME2 -------
NAME3 -------
Firstline=' iNFO1 iNFO2 iNFO3 iNFO4 iNFO5 iNFO6 \n'
For i in data:
A = i[0]
B = i[1]
C = i[2]
D = i[3]
E = i[4]
F = i[5]
```

```
| Signature | State | Disease | Disease | Treatment | Treatment | Treatment | Treatment | Treatment | Signature | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment | Treatment |
```

```
Tablo = f'A B C D E F \ ''
Print(Tablo)
```

My reader code connect to text files and its read the inputs from text

```
file1 = open('doctors_aid_inputs.txt', 'r')
lines = file1.readlines()
file1.close()
return lines
```

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