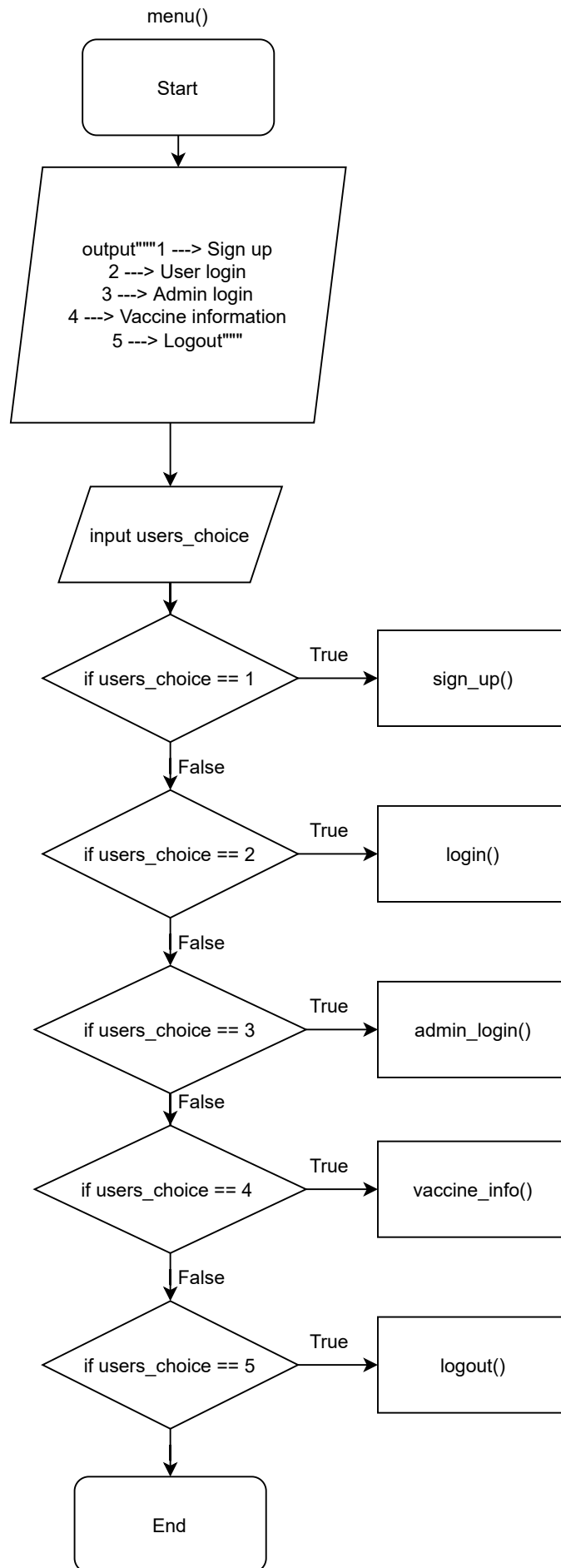


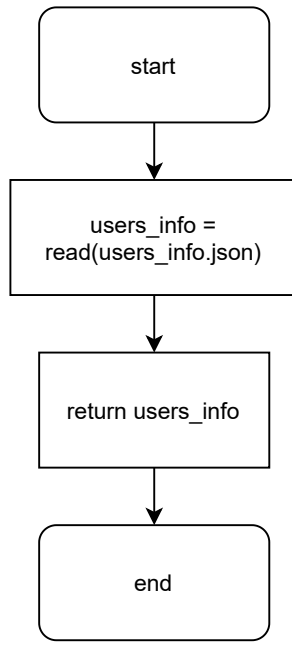
**GROUP 5**

No.	ID	Name	Task Descriptions	Percentage (%)
1	1211102285	CHIN SHUANG YING	Categorize public users into high or low-risk(based on medical history) and priority rank(based on occupation) and sort public users based on age, postcode, COVID 19 risk and priority ranking.	
2	1211101022	ASHLEY SIM CI HUI	Administrators assign appointment, create vaccination centre, and generate list	
3	1211102398	NICHOLAS TIOW KAI BO	User's accounts sign up and login authentication	
4	1211100925	ANG JIN NAN	Public user login to respond for the assigned appointment and to view appointment	
			Total	100%

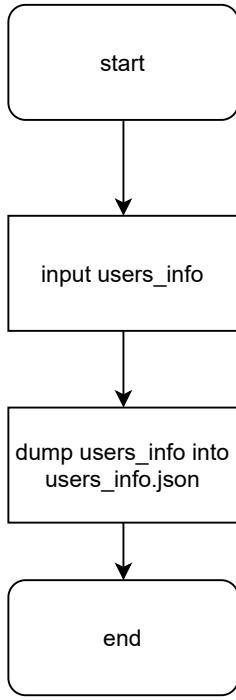
# FLOWCHART



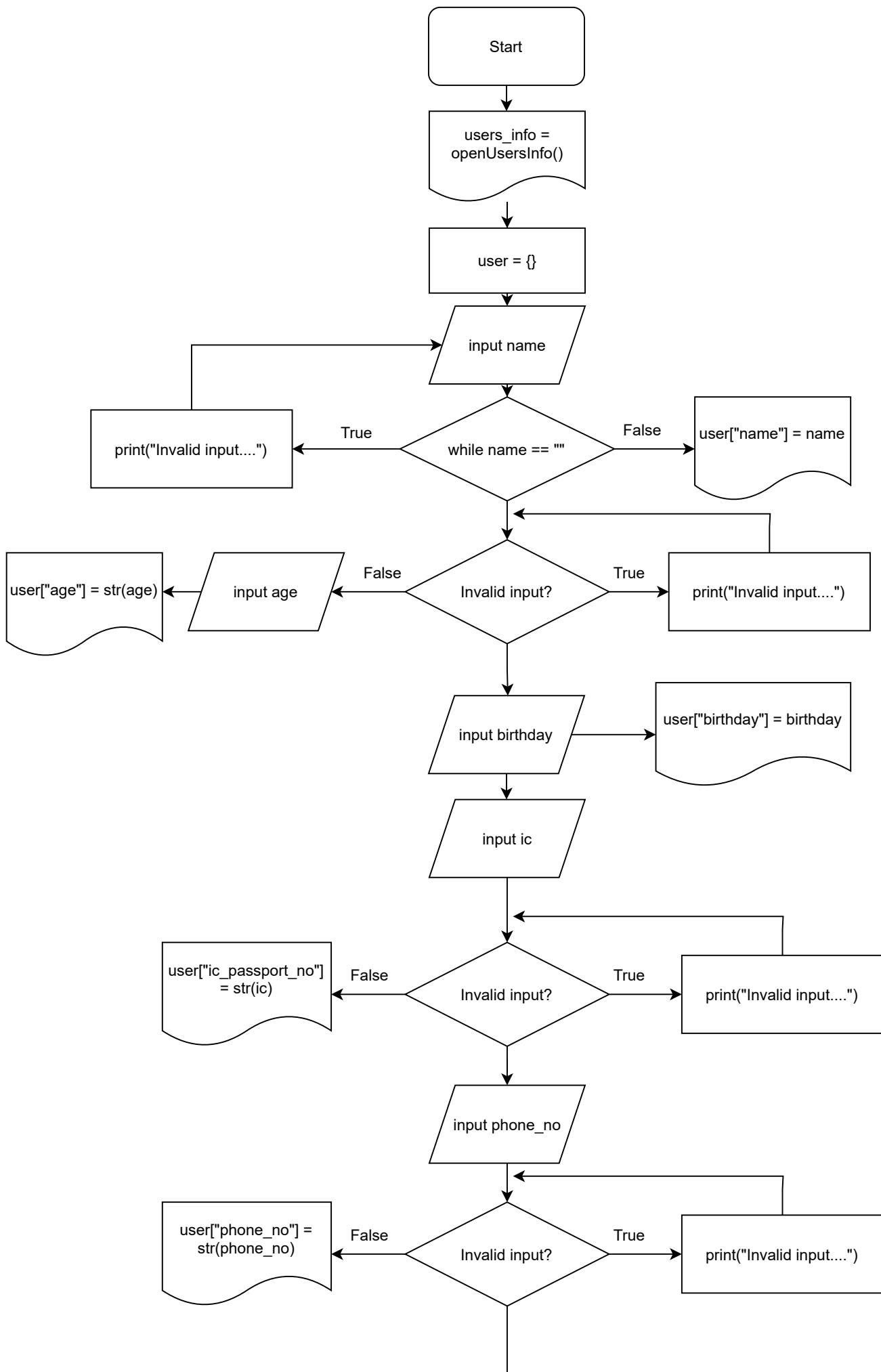
openUsersInfo()

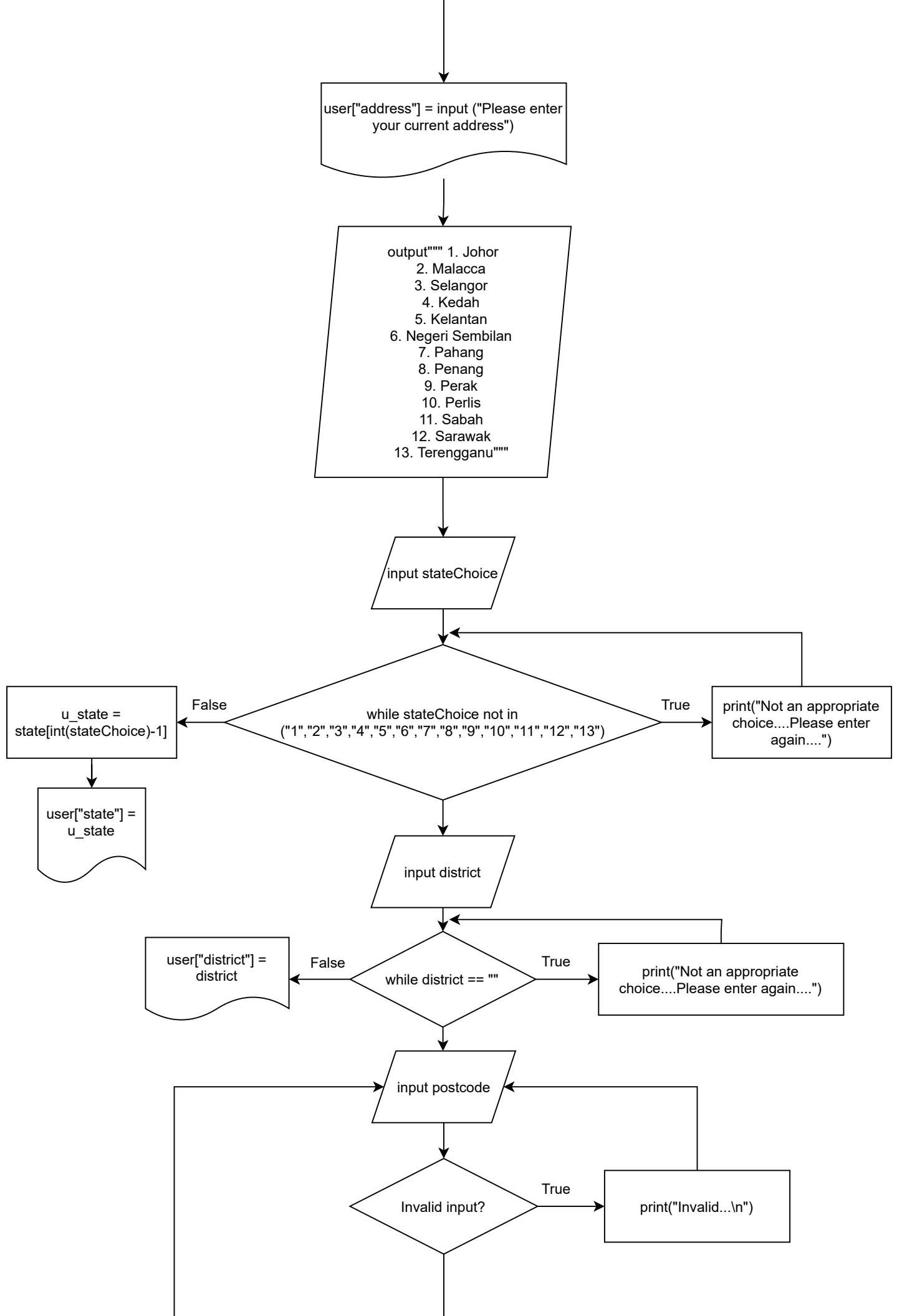


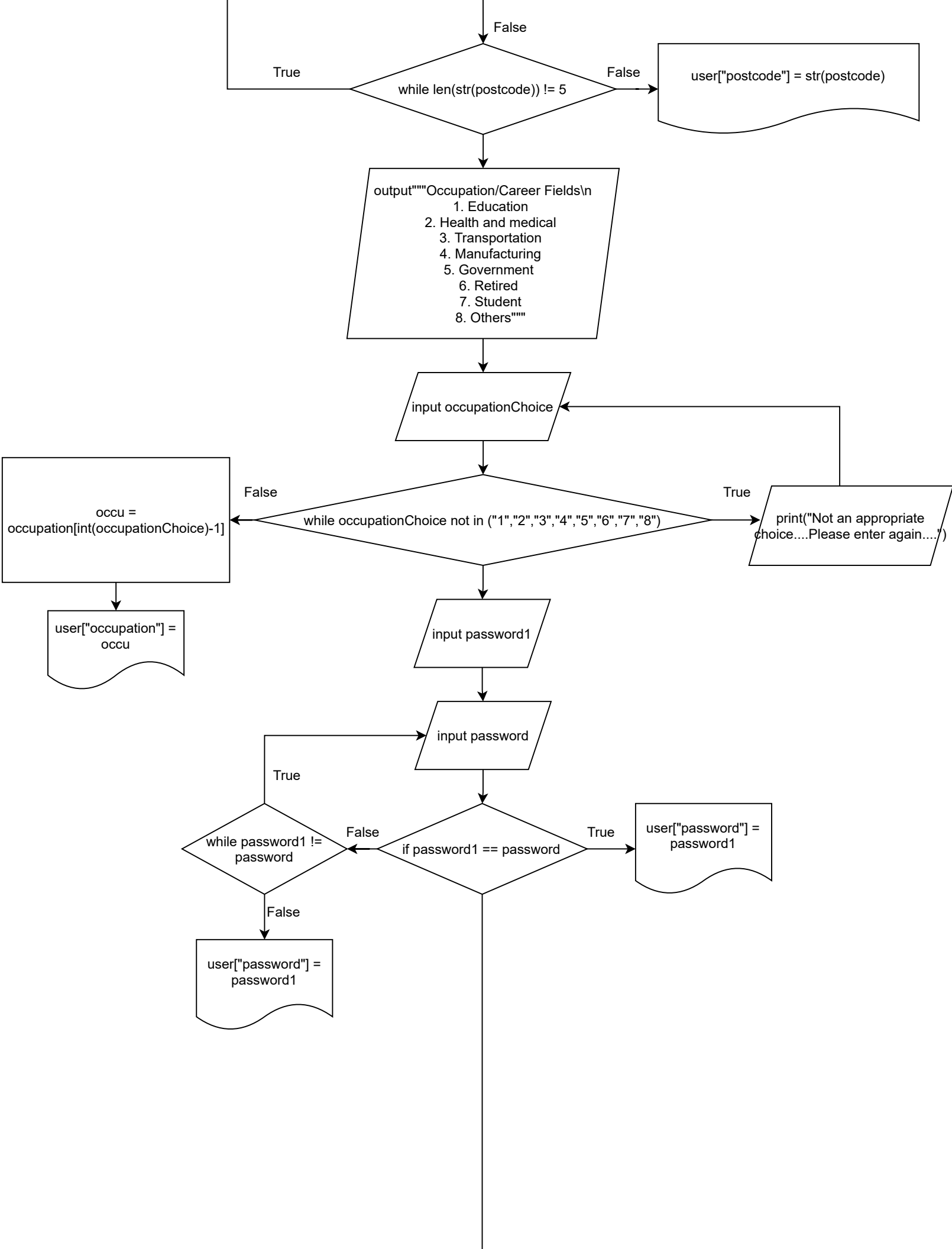
dumpUsersInfo()

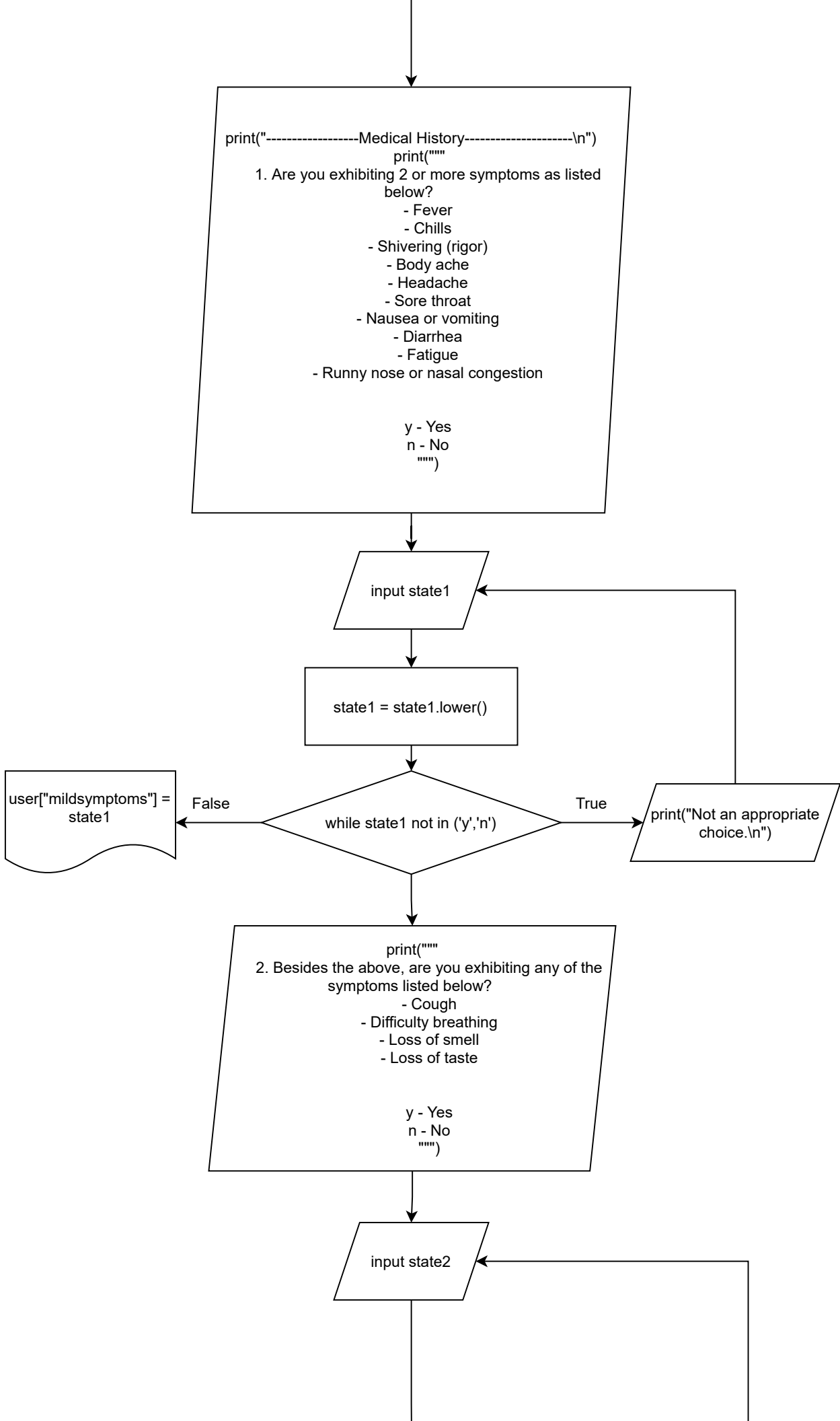


sign\_up()

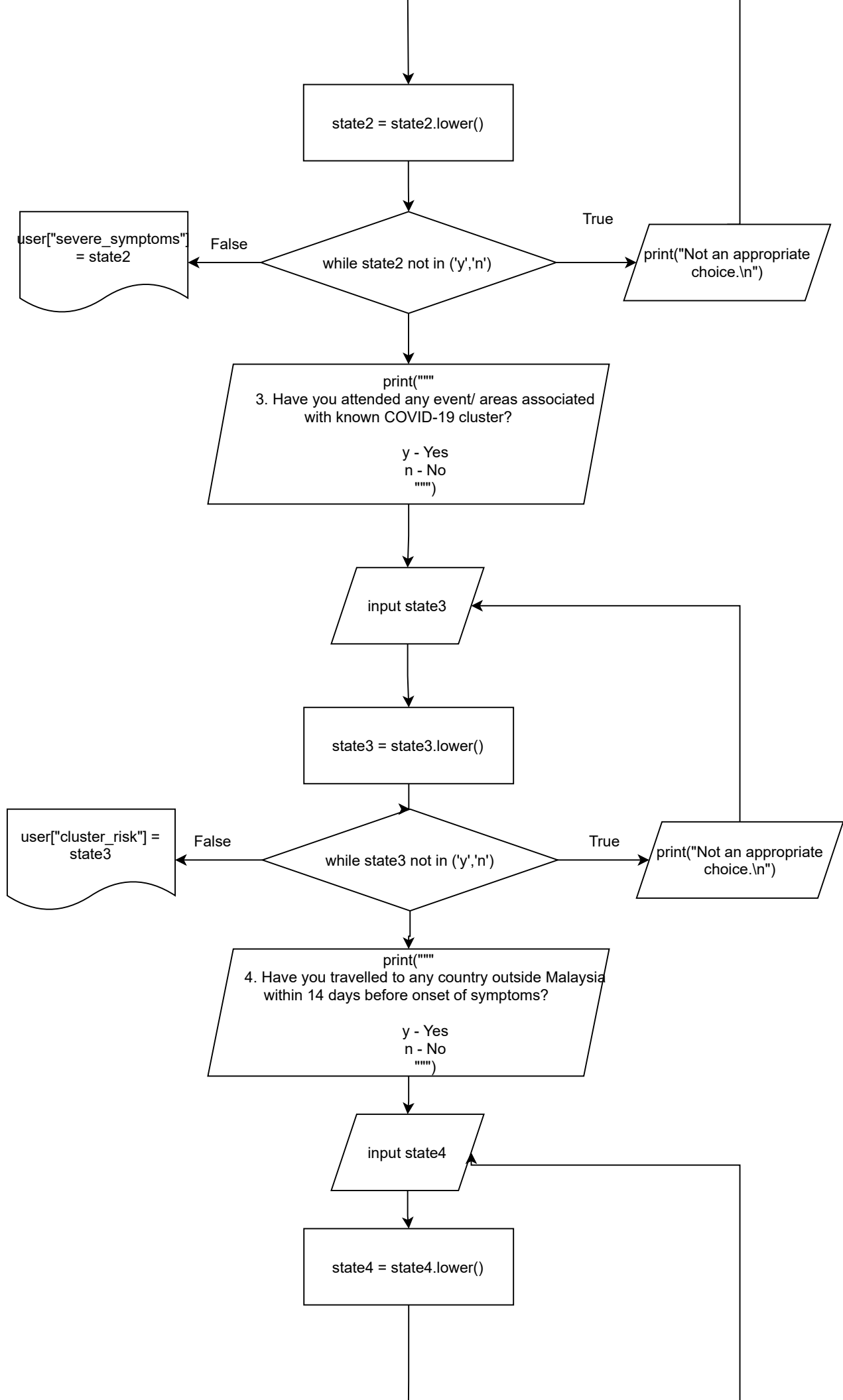


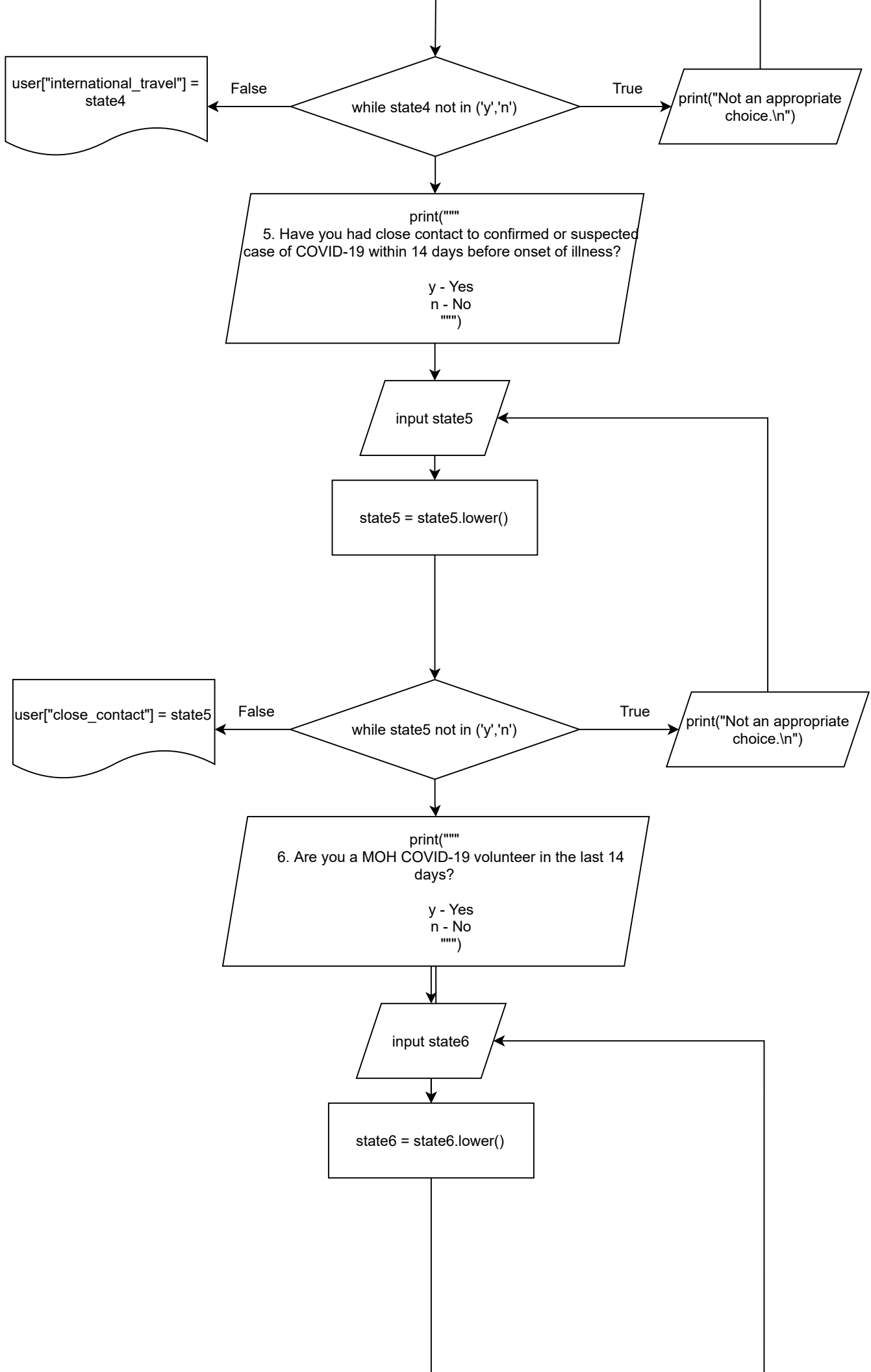


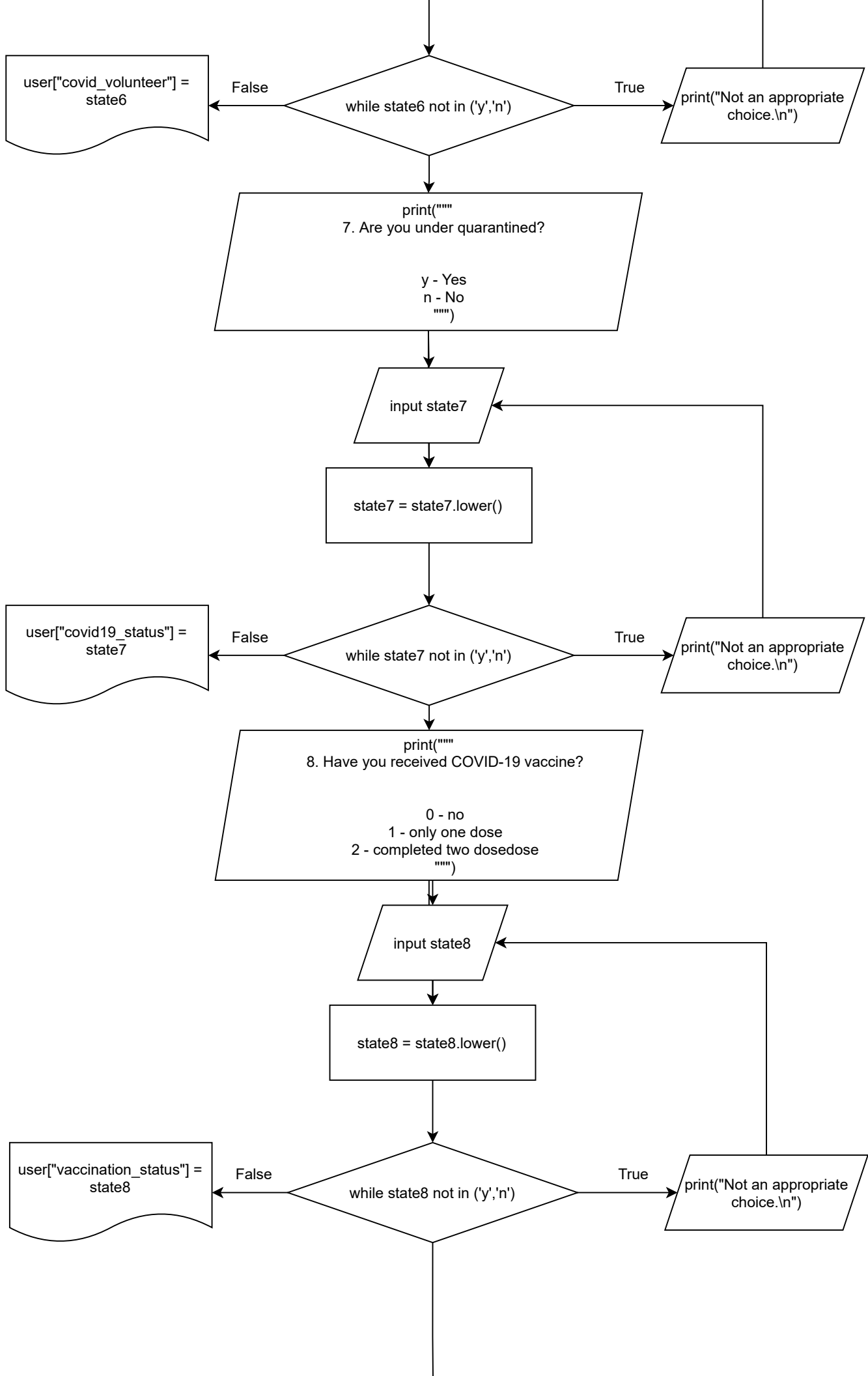


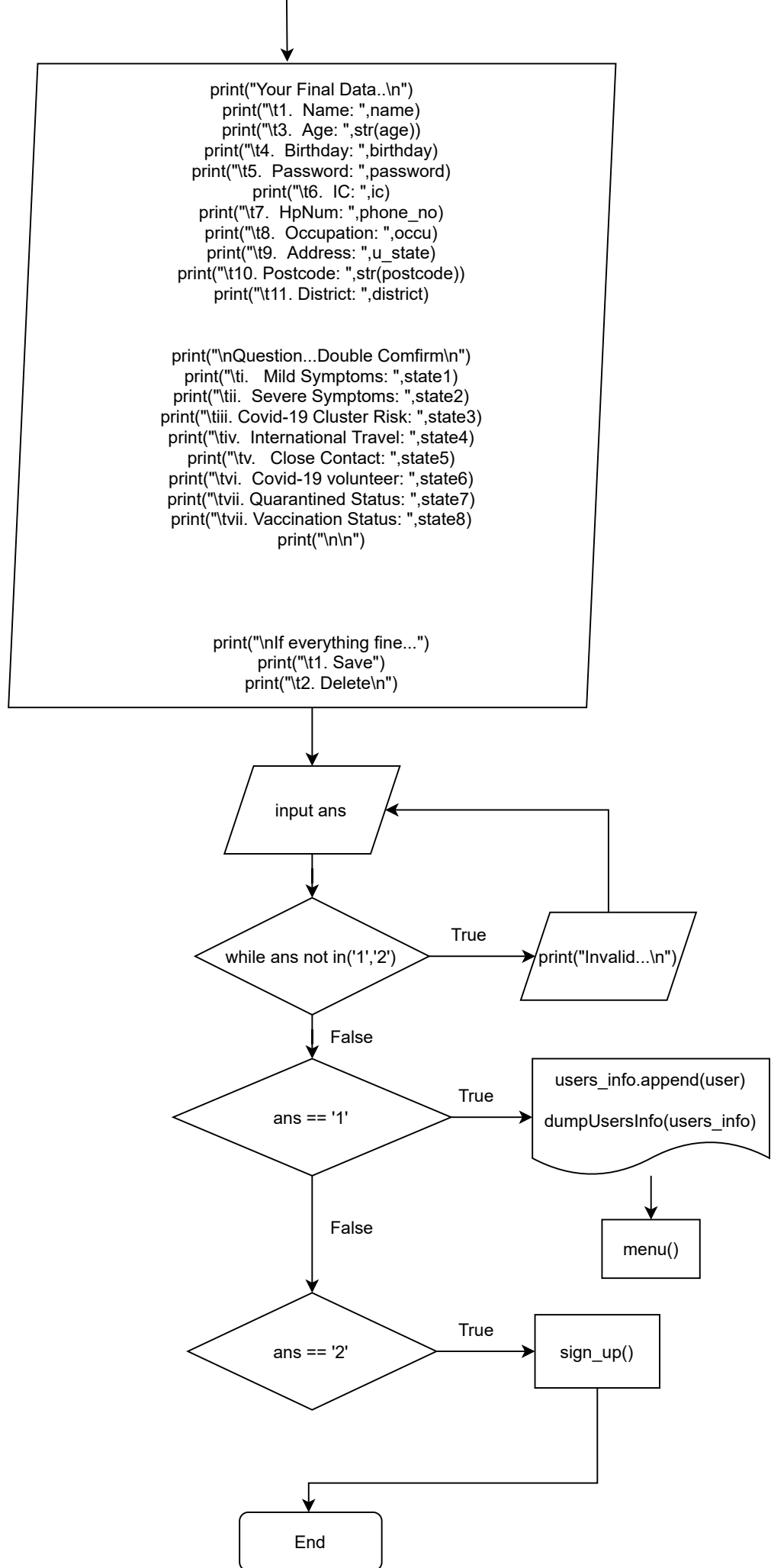


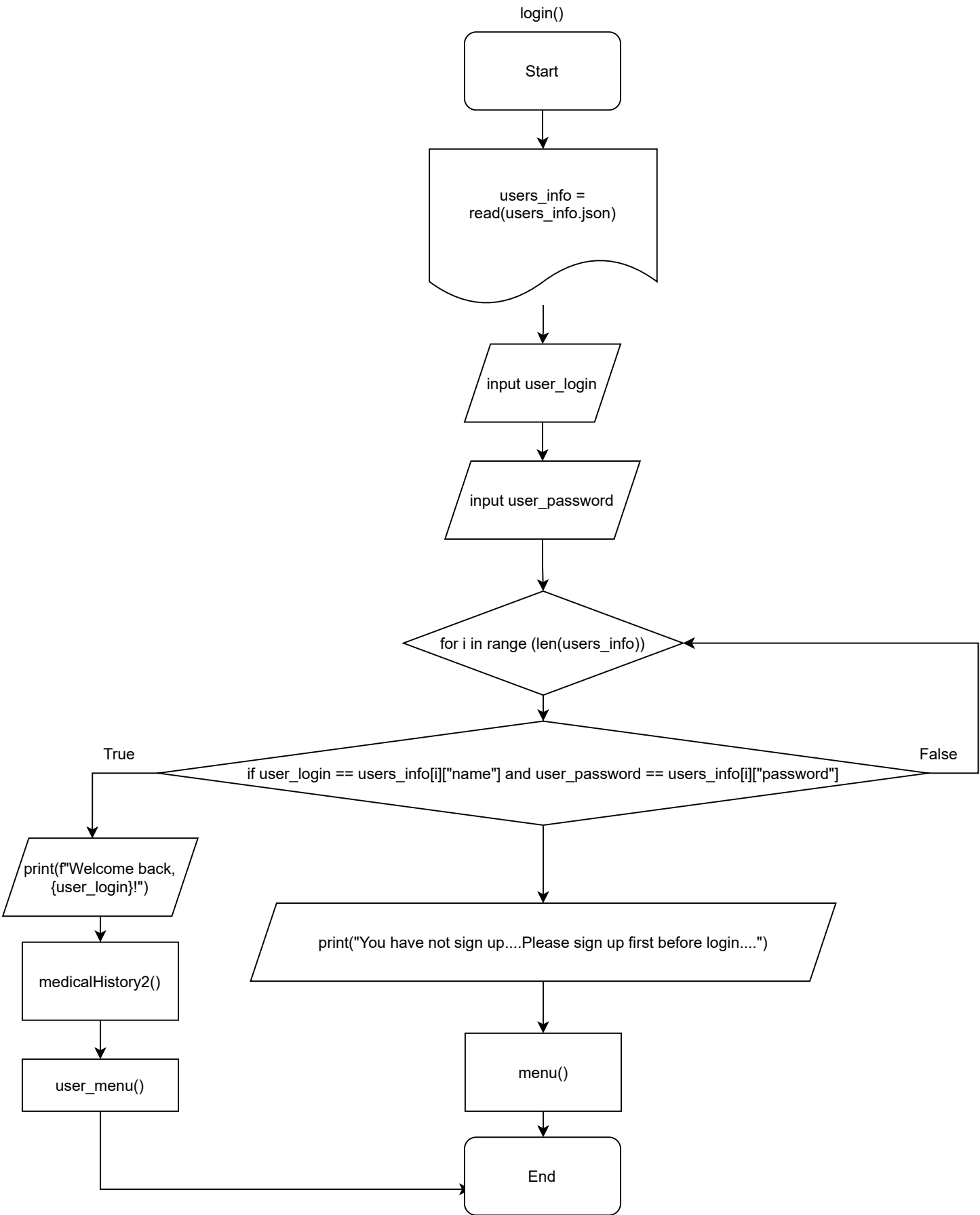












logout()

Start

```
print("""
```

GOODBYE

```
""")
```

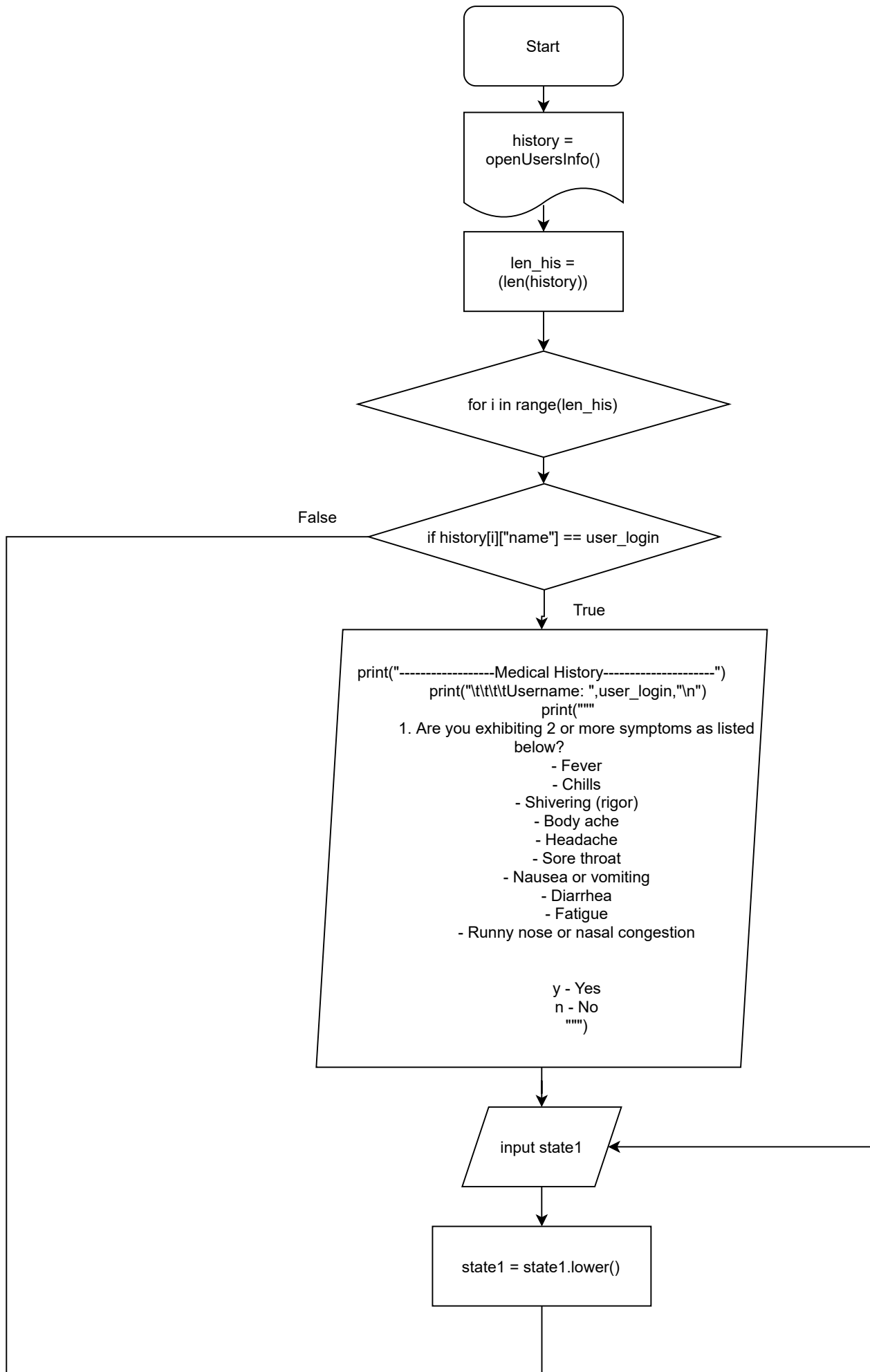
```
timeline = datetime.now()
```

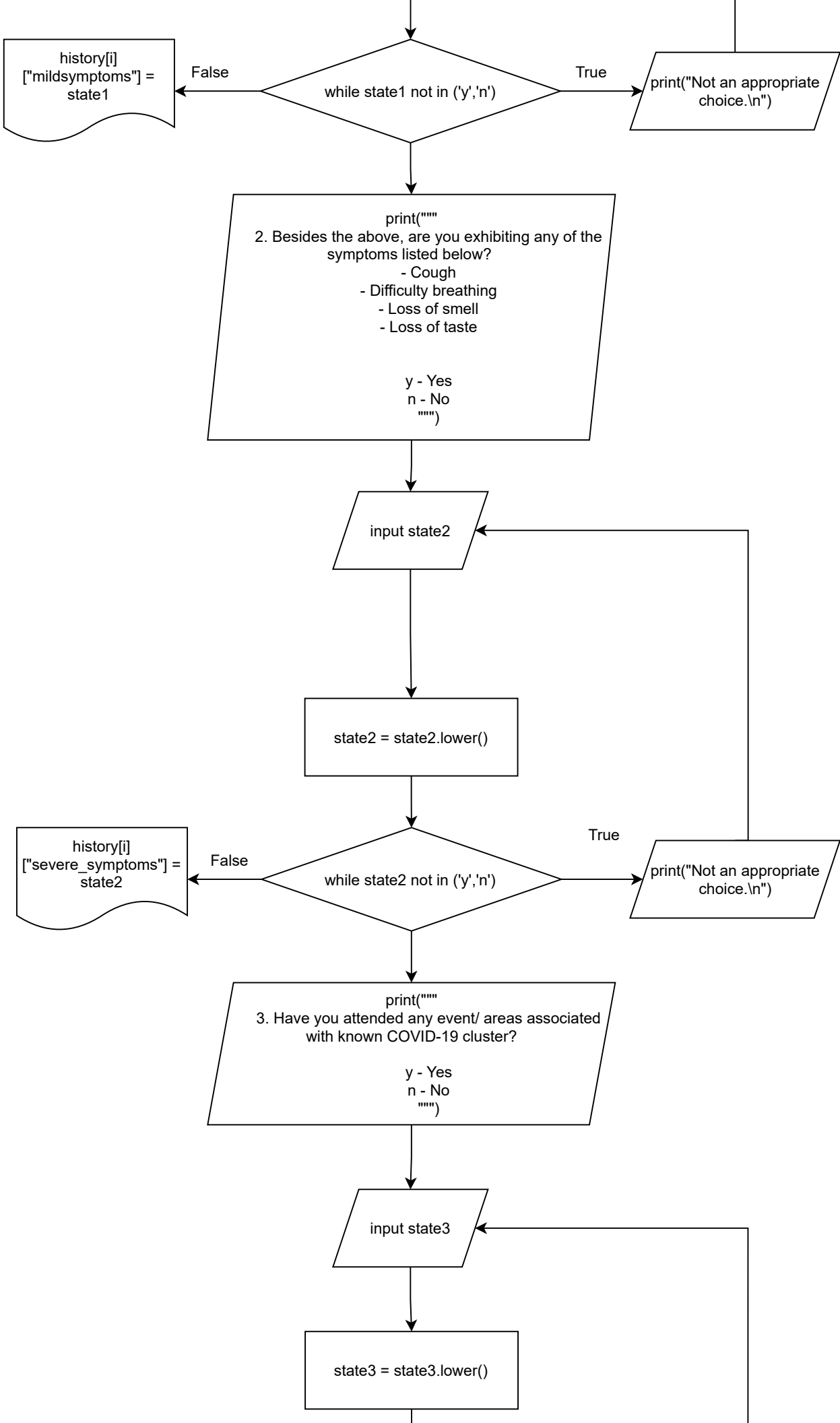
```
print(timeline)
```

```
exit()
```

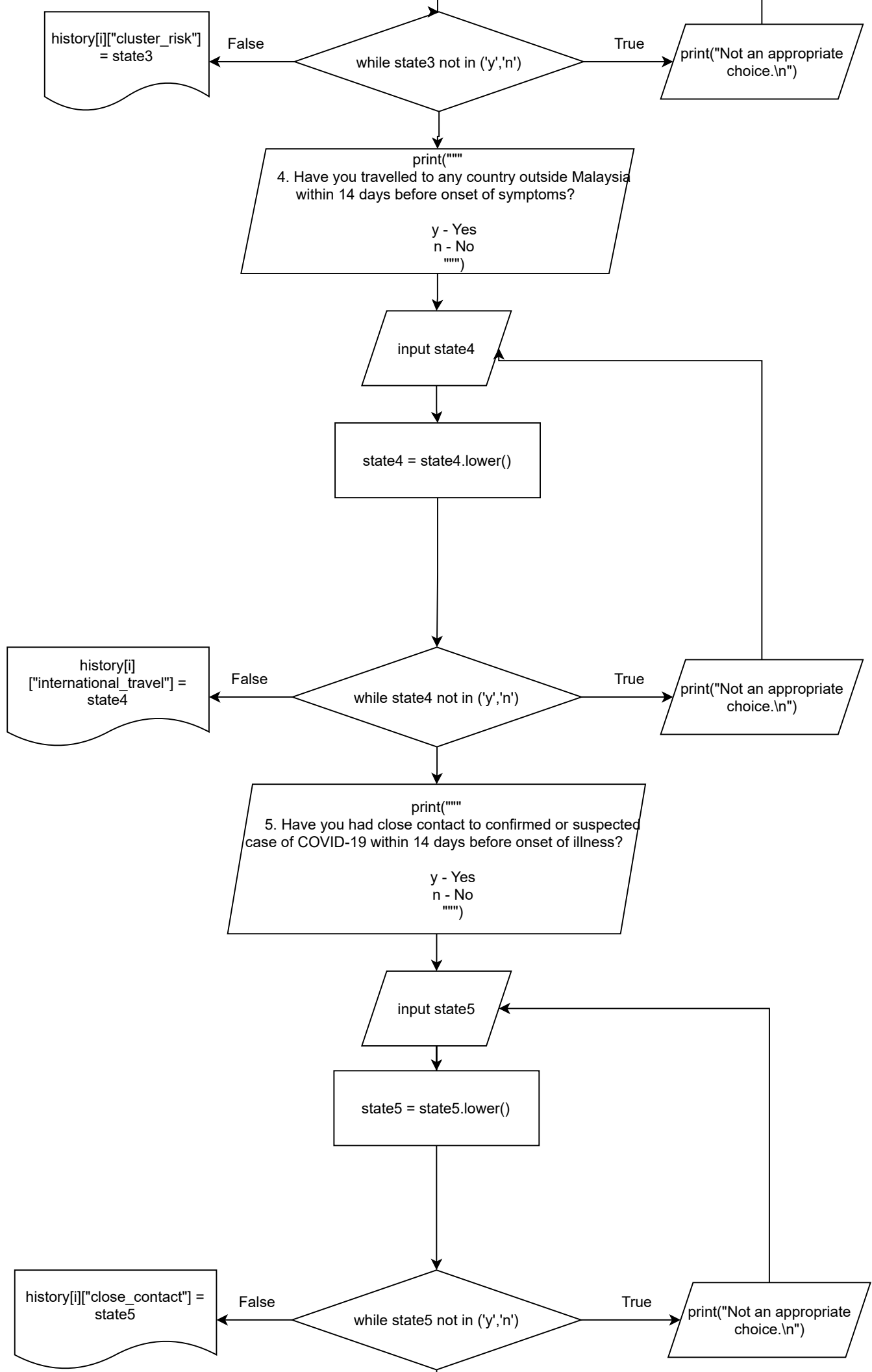
End

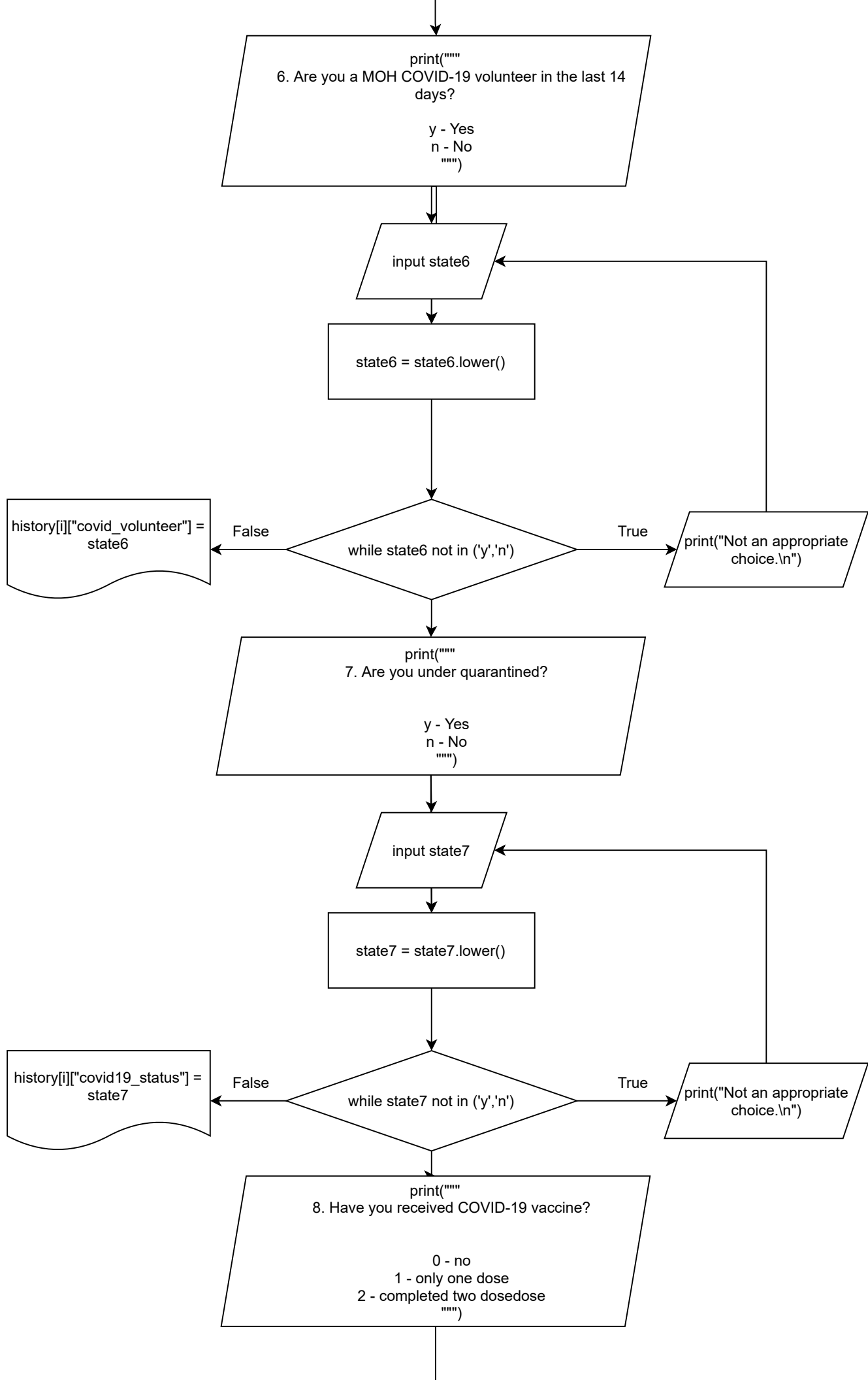
medicalHistory2()

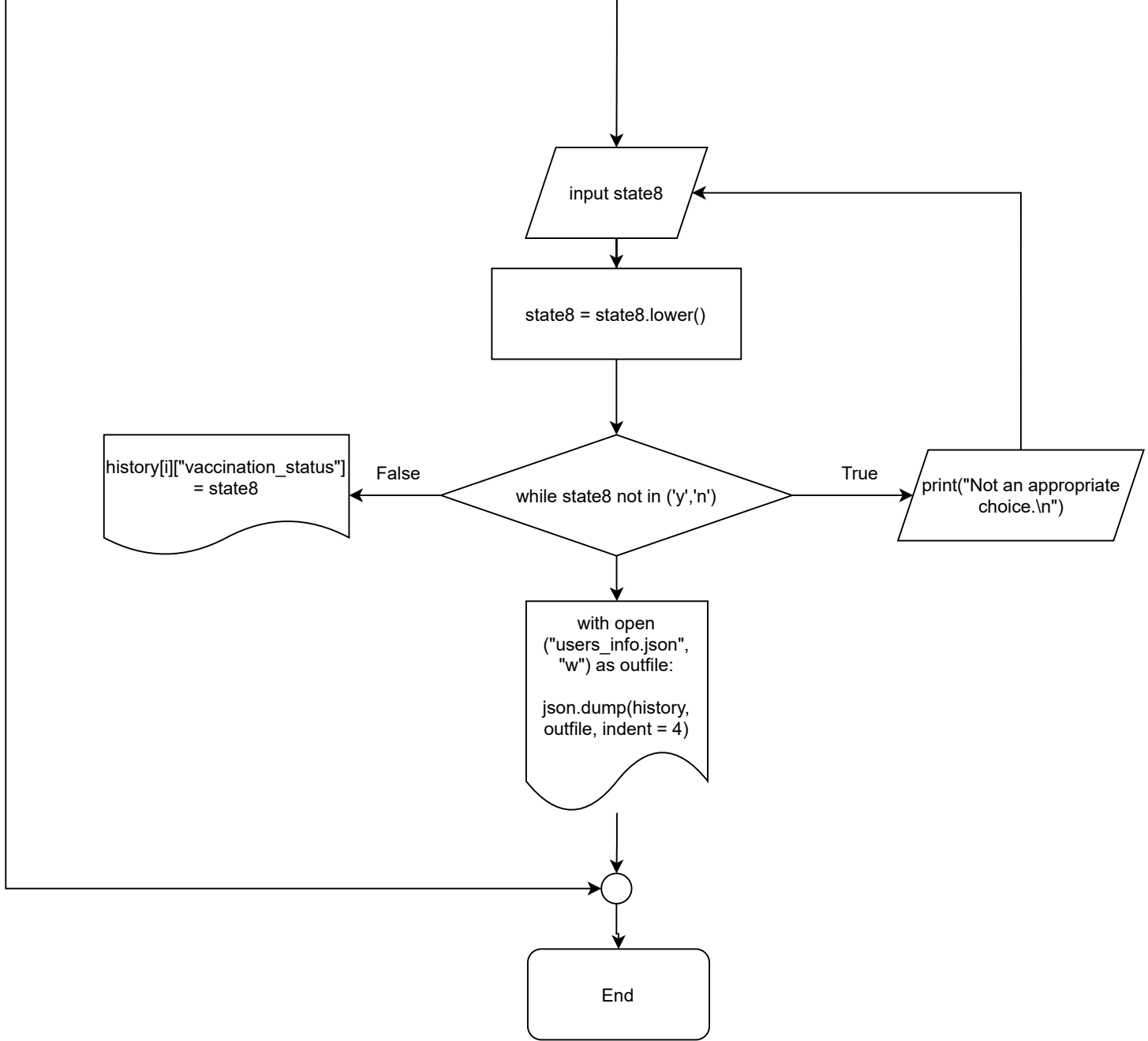


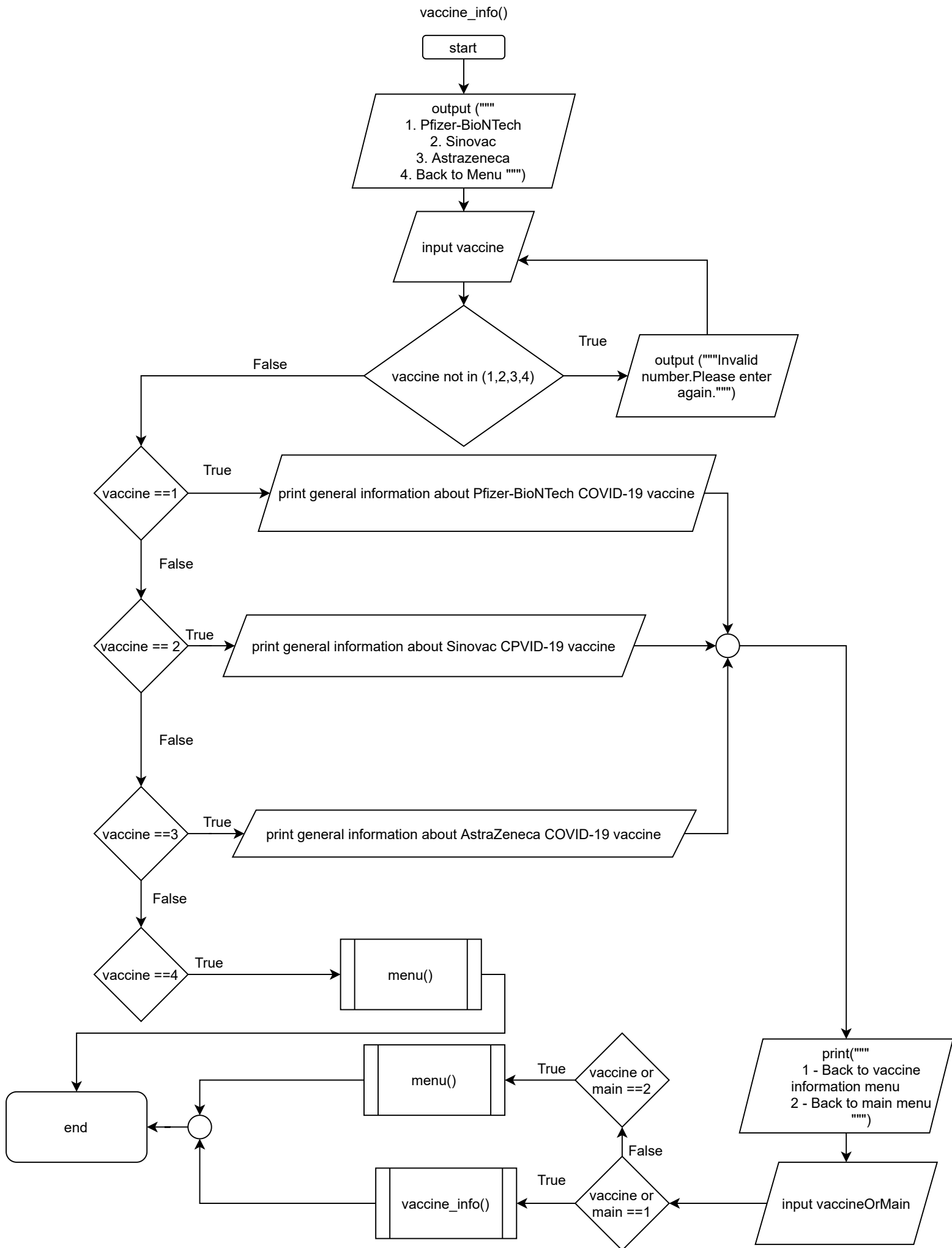


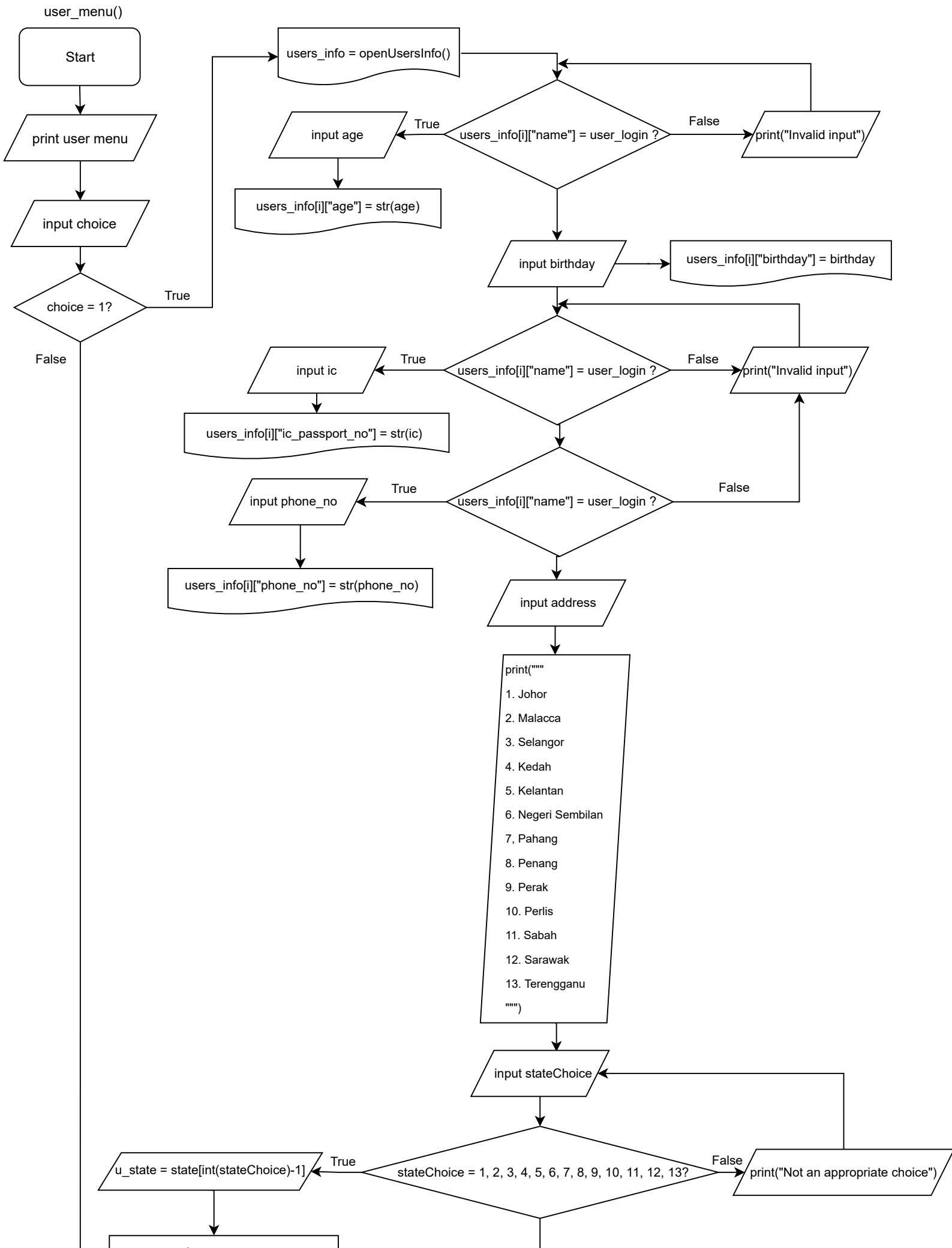


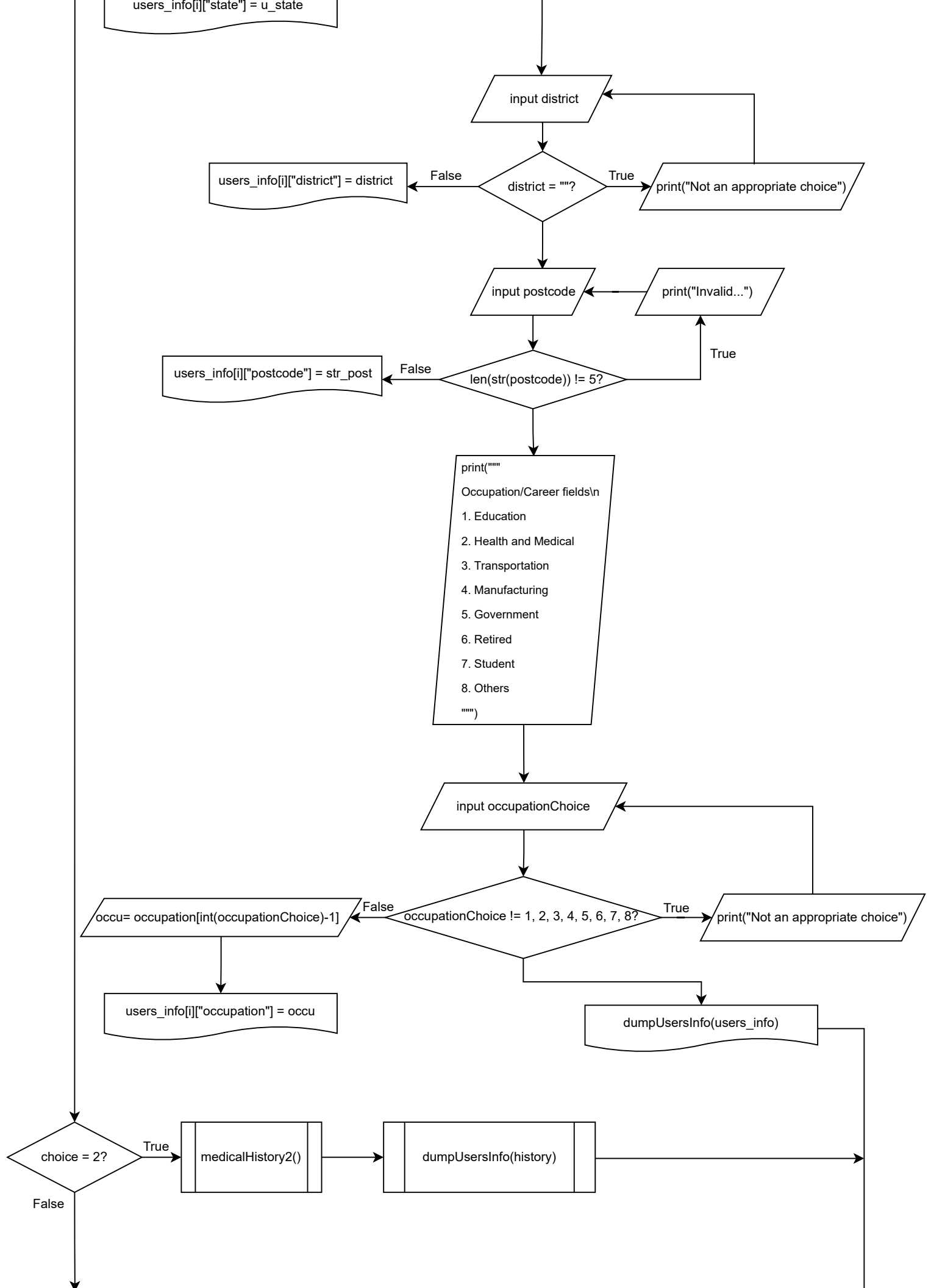


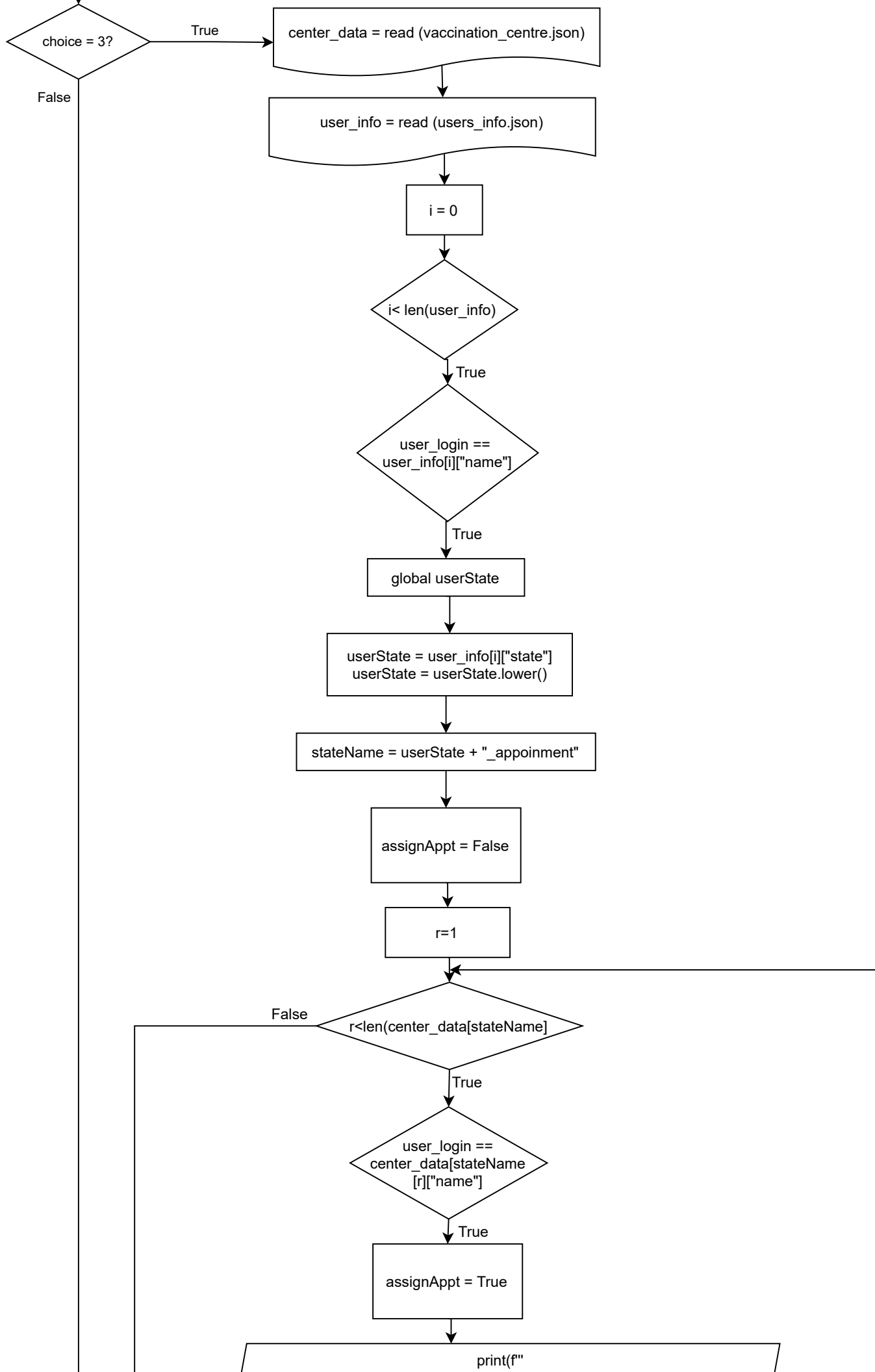












Location: {center\_data[stateName][0]["center\_name"]},  
{center\_data[stateName][0]["district"]}, {center\_data[stateName][0]["state"]}  
Date: {center\_data[stateName][r]["date"]}  
Time: {center\_data[stateName][r]["time"]}  
RSVP: {center\_data[stateName][r]["rsvp"]}  
")

center\_data[stateName]  
[r]["rsvp"] == "n"

True

print("Would you like to RSVP for your appointment? (y/n)")

input rsvpConfirm

rsvpConfirm = rsvpConfirm.lower()

rsvpConfirm == "y"

True

center\_data[stateName][r]  
["rsvp"] = "y"

False

rsvpConfirm == "n"

True

center\_data[stateName][r]  
["rsvp"] = "n"

False

print("Not an appropriate choice.")

user\_menu()

r = r+1

dump  
center\_data  
to  
appt\_data

assignAppt == False

True

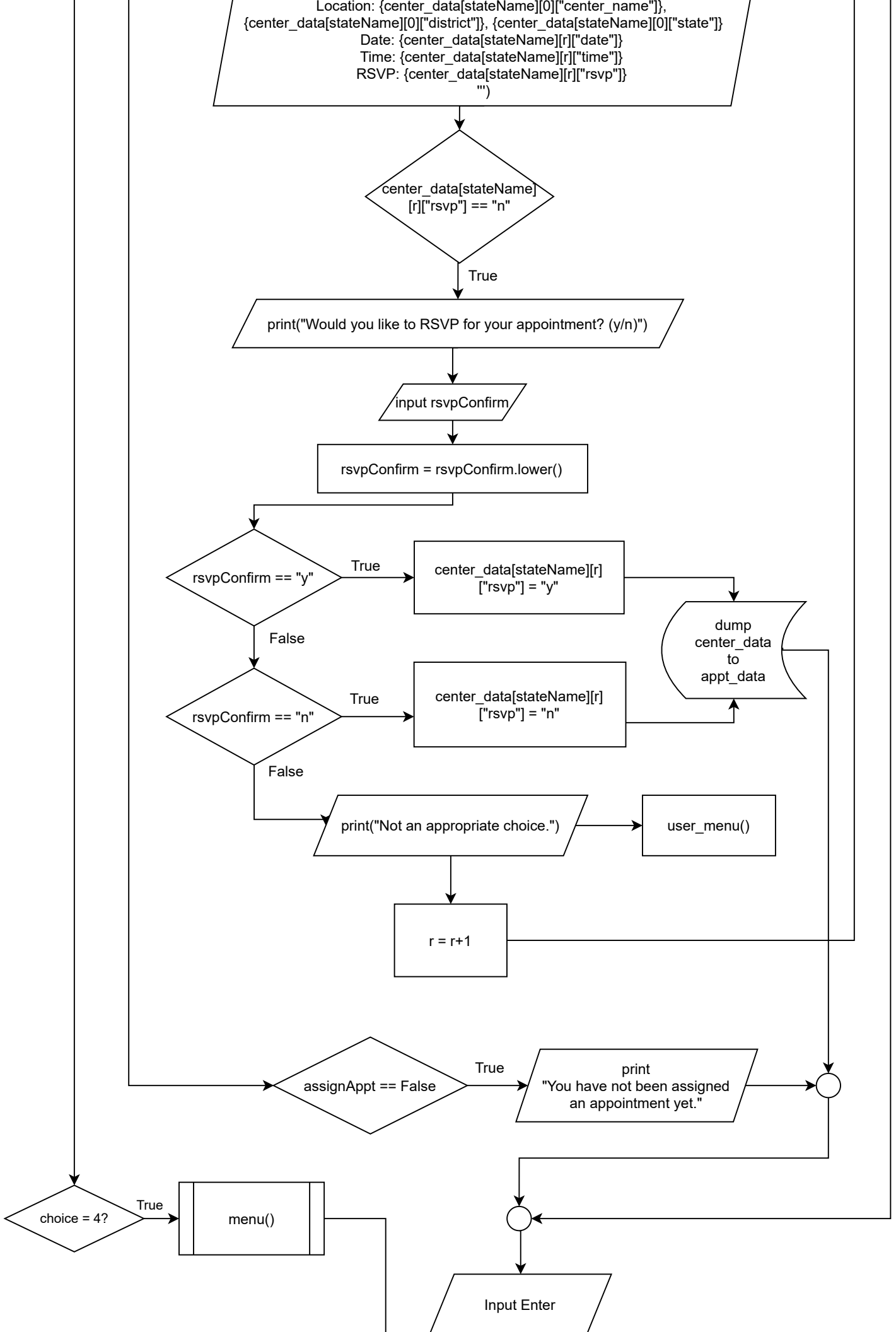
print  
"You have not been assigned  
an appointment yet."

choice = 4?

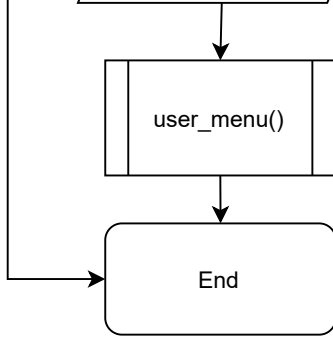
True

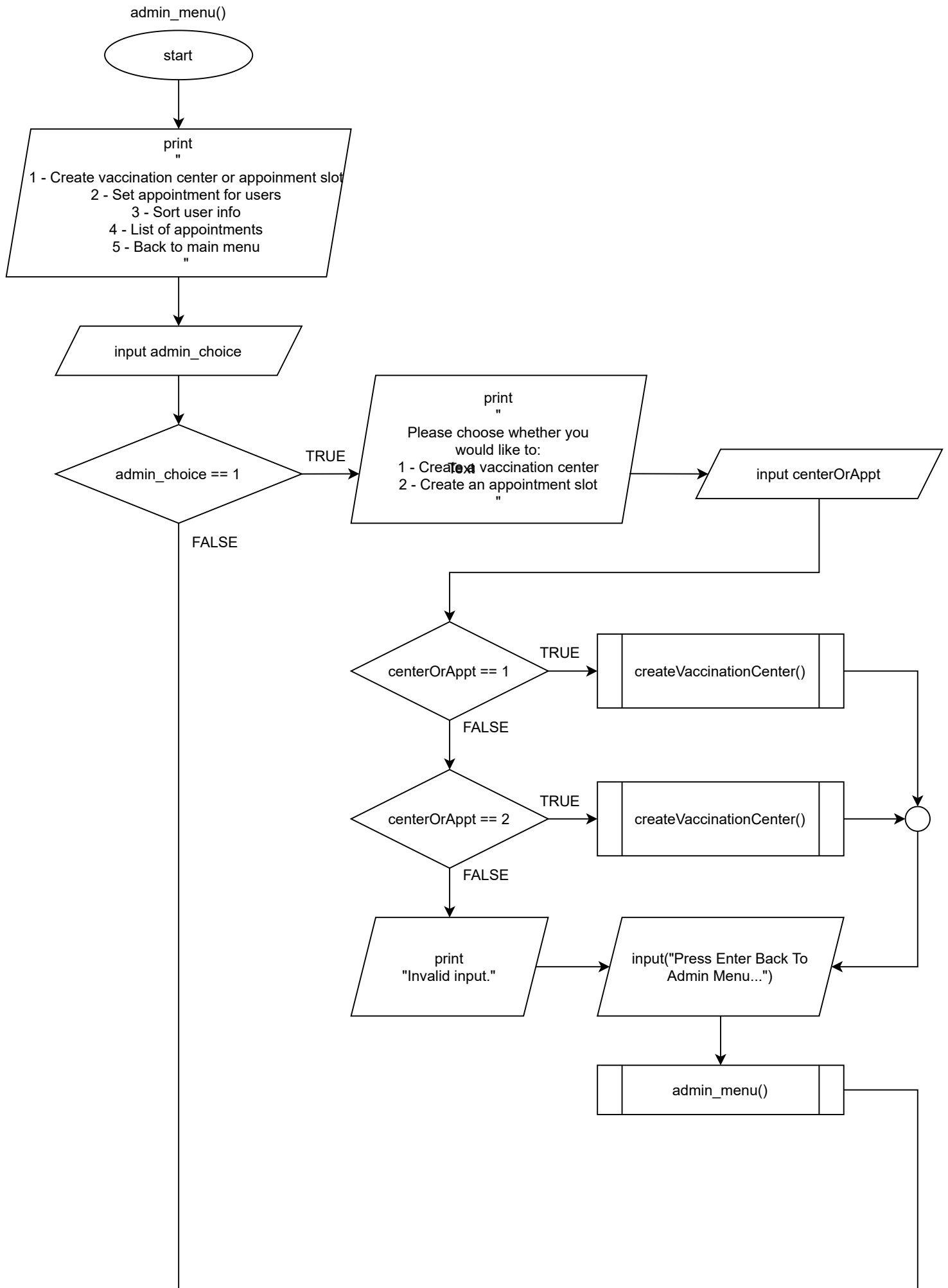
menu()

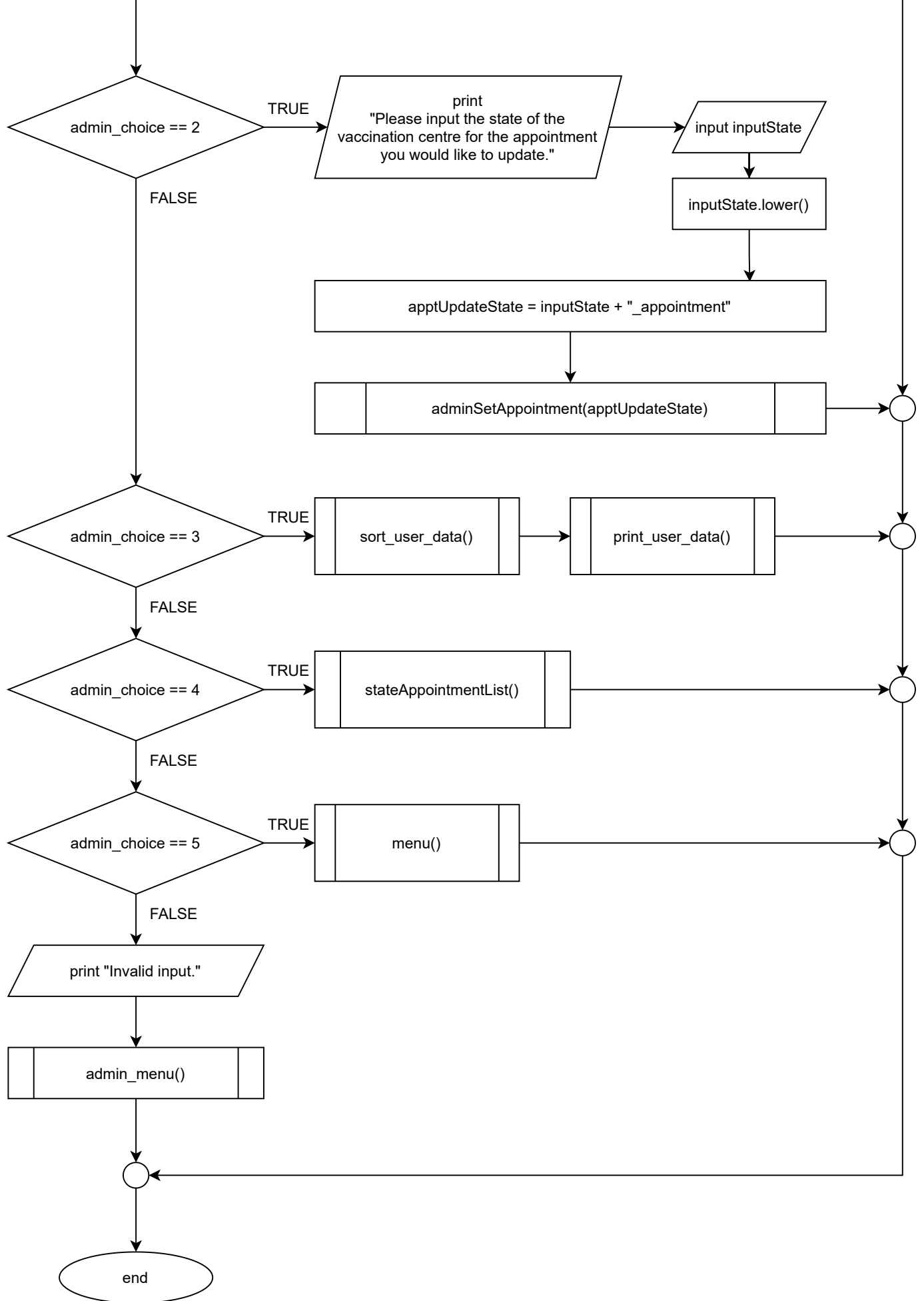
Input Enter











categorize\_by\_risk()

start

users\_info = openUsersInfo()

x=0

False

x<len(users\_info)

True

"y" in list(users\_info[x].values())

False

users\_info[x]["covid\_19\_risk"]="low risk"

True

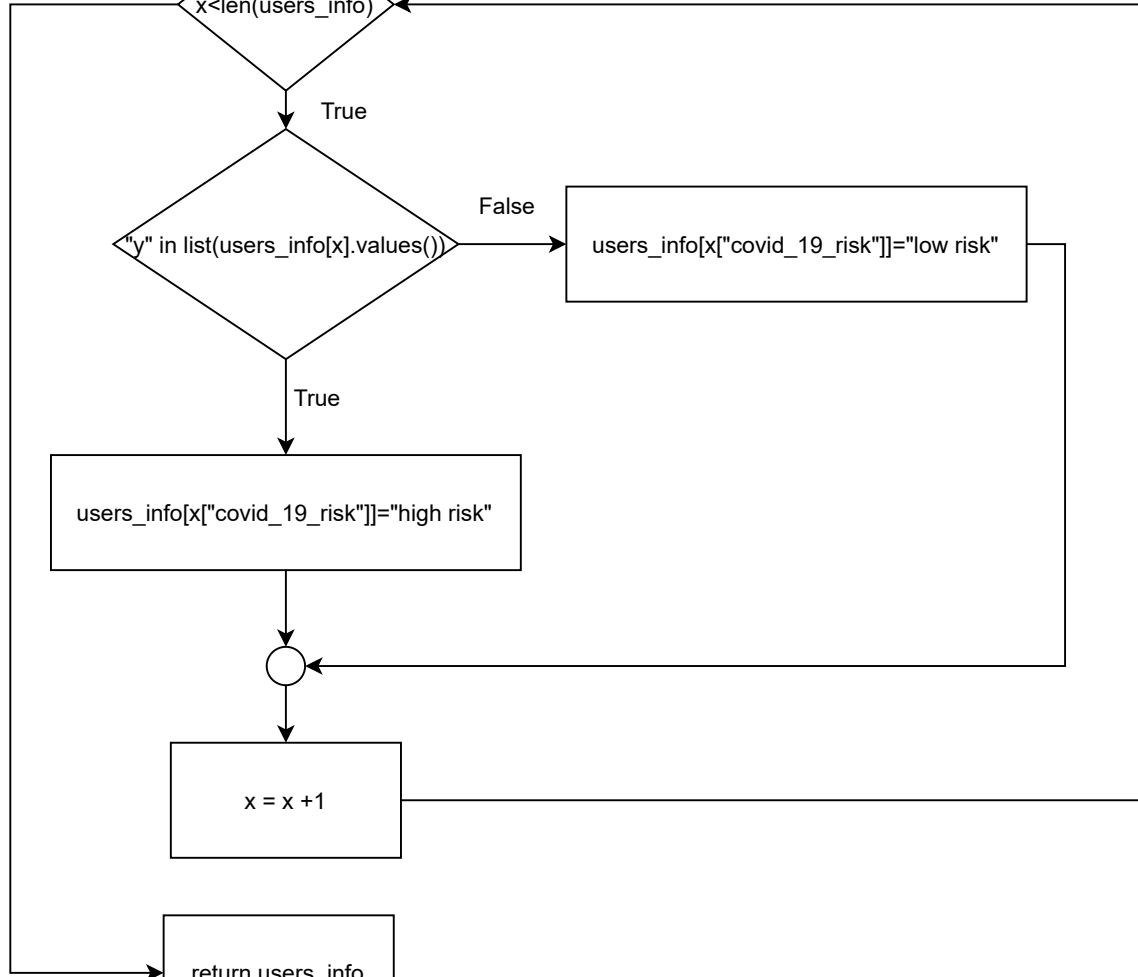
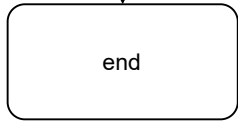
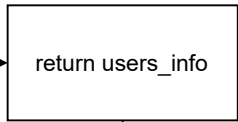
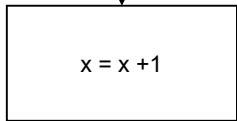
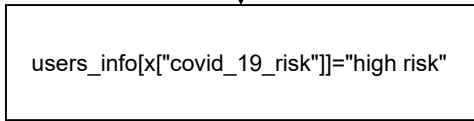
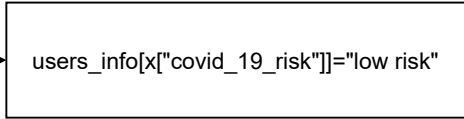
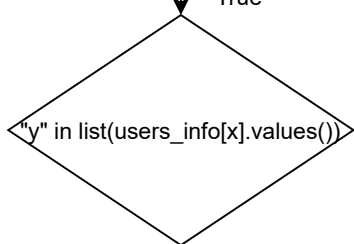
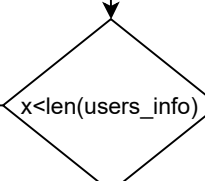
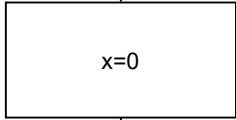
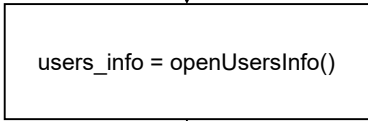
users\_info[x]["covid\_19\_risk"]="high risk"



x = x +1

return users\_info

end



categorize\_priority\_ranking()

start

users\_info = openUsersInfo()

x=0

False  
x<len(users\_info)

True

users\_info[x["occupation"]] ==  
"Health and medical"

True

users\_info[x["priority\_ranking"]]=5

False

users\_info[x["occupation"]] ==  
"Government"

or users\_info[x["occupation"]] ==  
"Education"

True

users\_info[x["priority\_ranking"]]=4

False

users\_info[x["occupation"]] ==  
"Transportation"

or users\_info[x["occupation"]] ==  
"Retired"

True

users\_info[x["priority\_ranking"]]=3

False

users\_info[x["occupation"]] ==  
"Manufacturing"

True

users\_info[x["priority\_ranking"]]=2

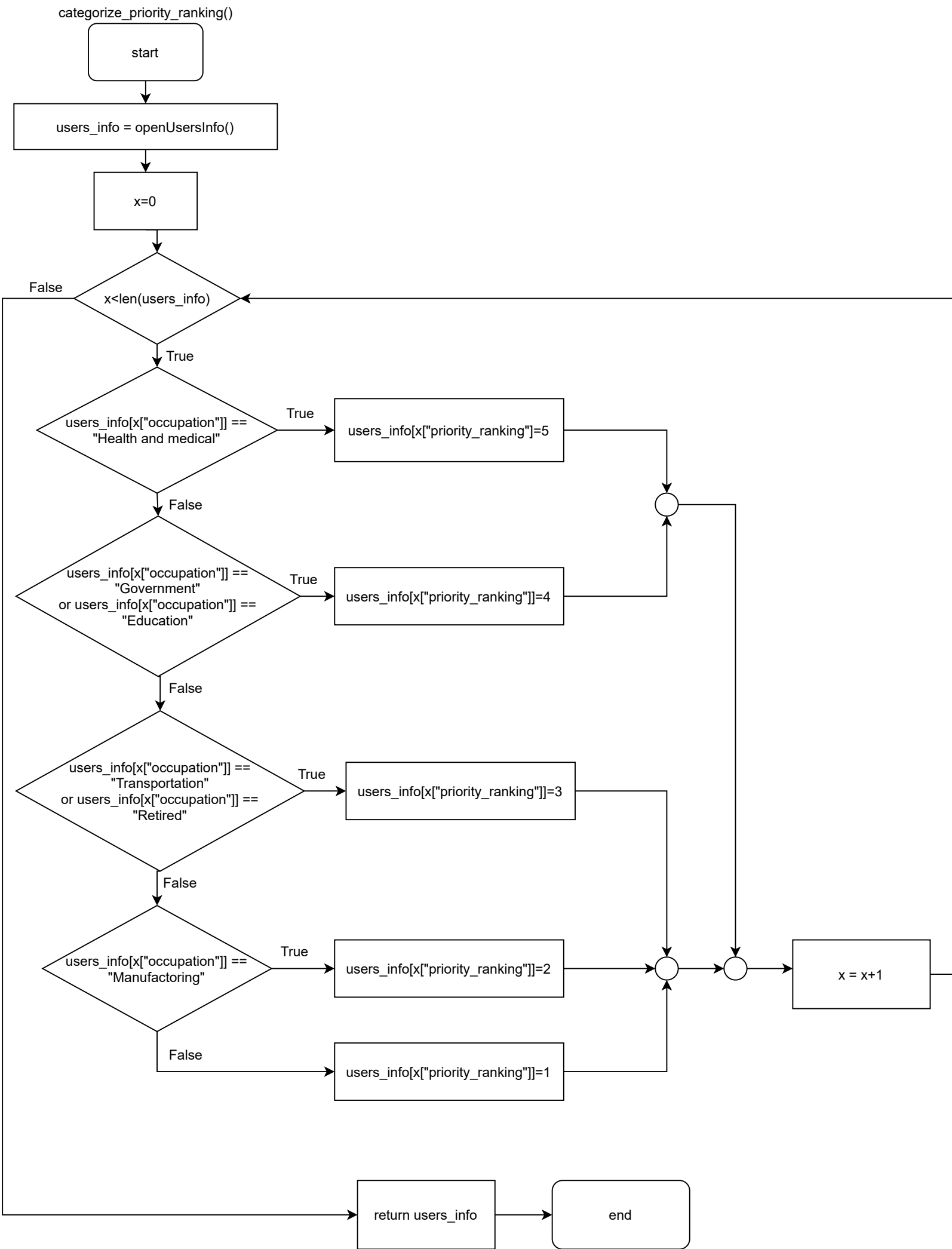
False

users\_info[x["priority\_ranking"]]=1

x = x+1

return users\_info

end



sort\_user\_data()

start

output "" Sort by  
1. postcode  
2. age  
3. Covid-19 Risk  
4. Priority Ranking ""

input sort

False  
while sort not in  
(1,2,3,4)

True

output "Invalid number. Please  
reenter the number."

sort==1

True  
sort\_by\_postcode = sorted(users\_info, key=lambda  
i: i["postcode"])

return  
sort\_by\_postcode

False

sort==2

True  
sort\_by\_age = sorted(users\_info, key=lambda  
i: i["age"])

return sort\_by\_age

False

sort==3

True  
sort\_by\_covid\_19\_risk = sorted(users\_info, key=lambda  
i: i["covid\_19\_risk"])

return  
sort\_by\_covid\_19\_risk

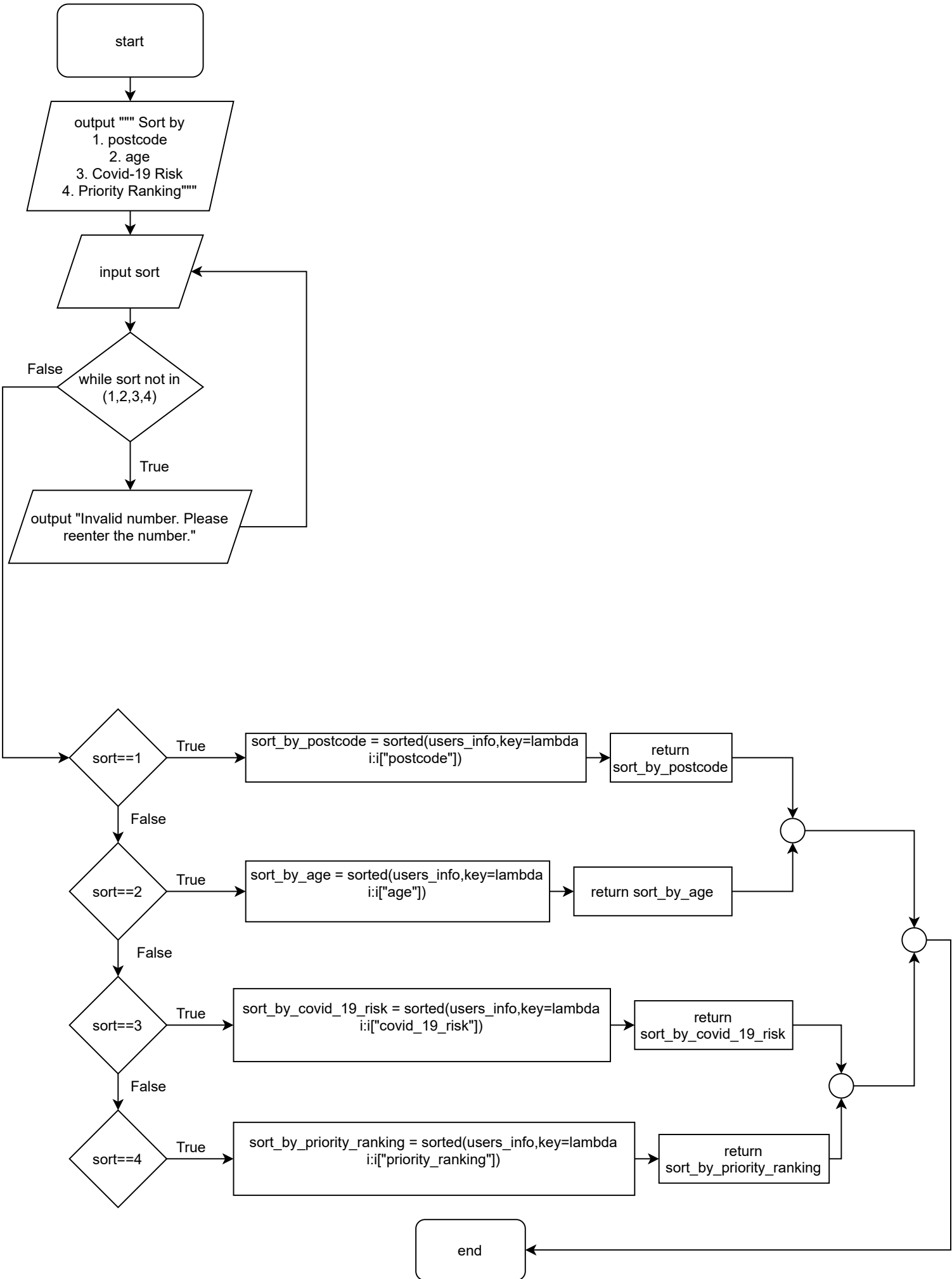
False

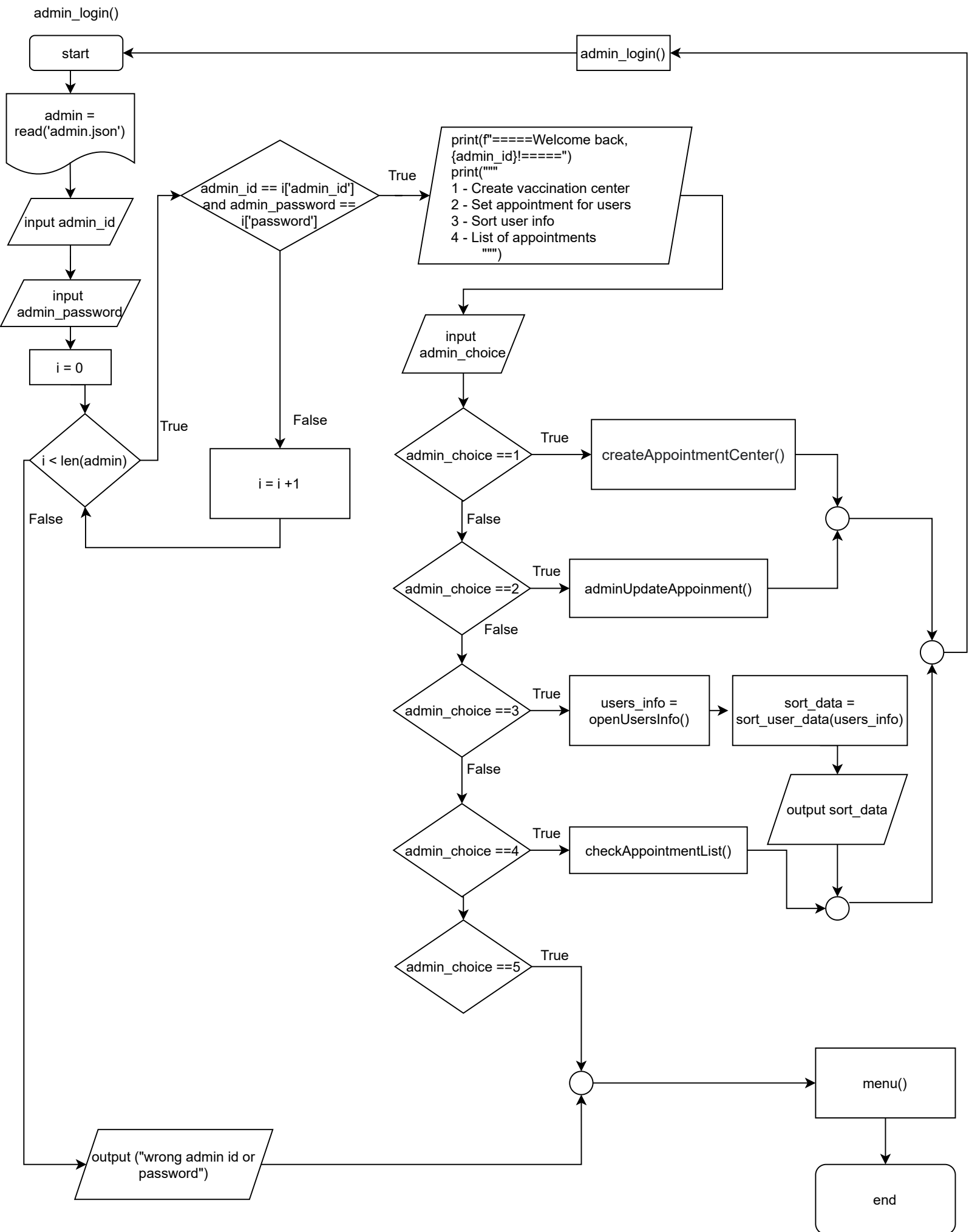
sort==4

True  
sort\_by\_priority\_ranking = sorted(users\_info, key=lambda  
i: i["priority\_ranking"])

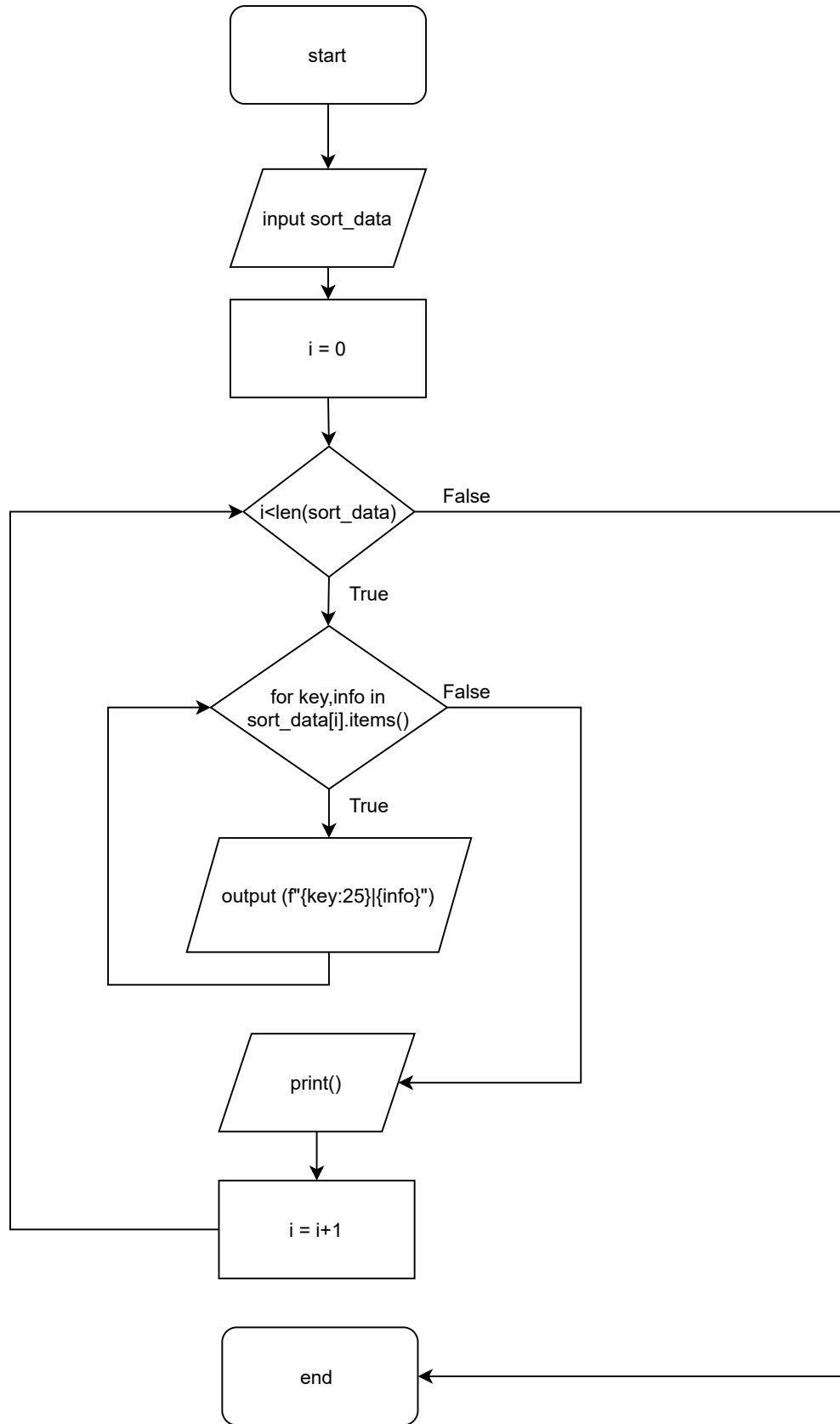
return  
sort\_by\_priority\_ranking

end

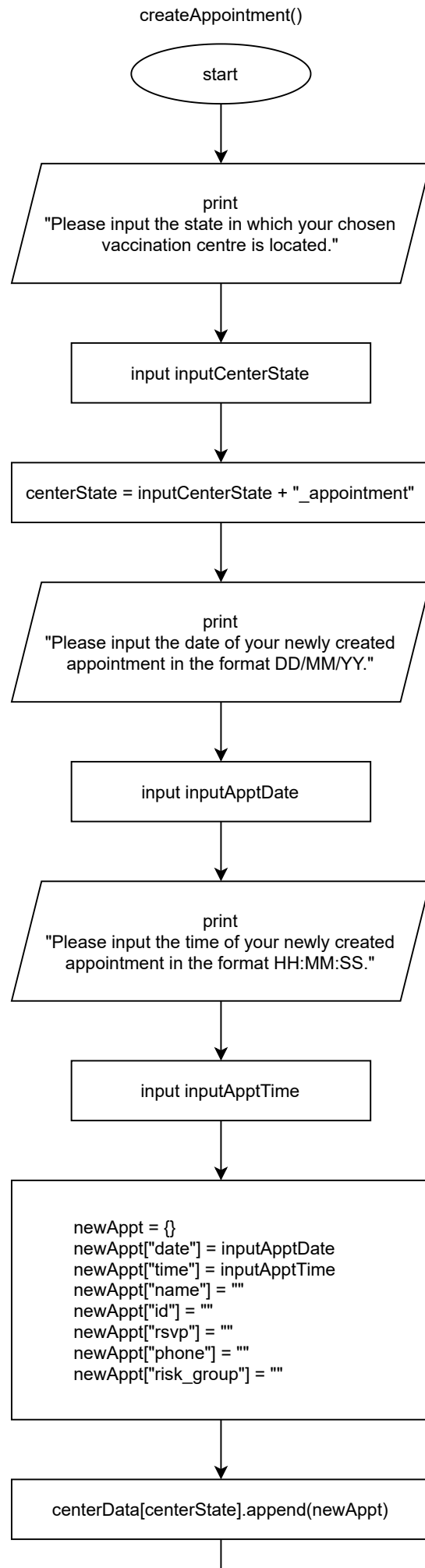


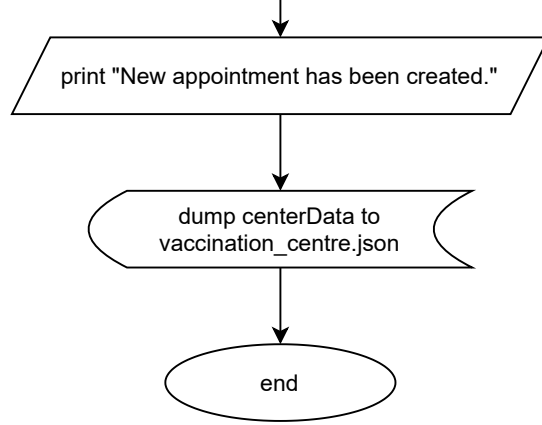


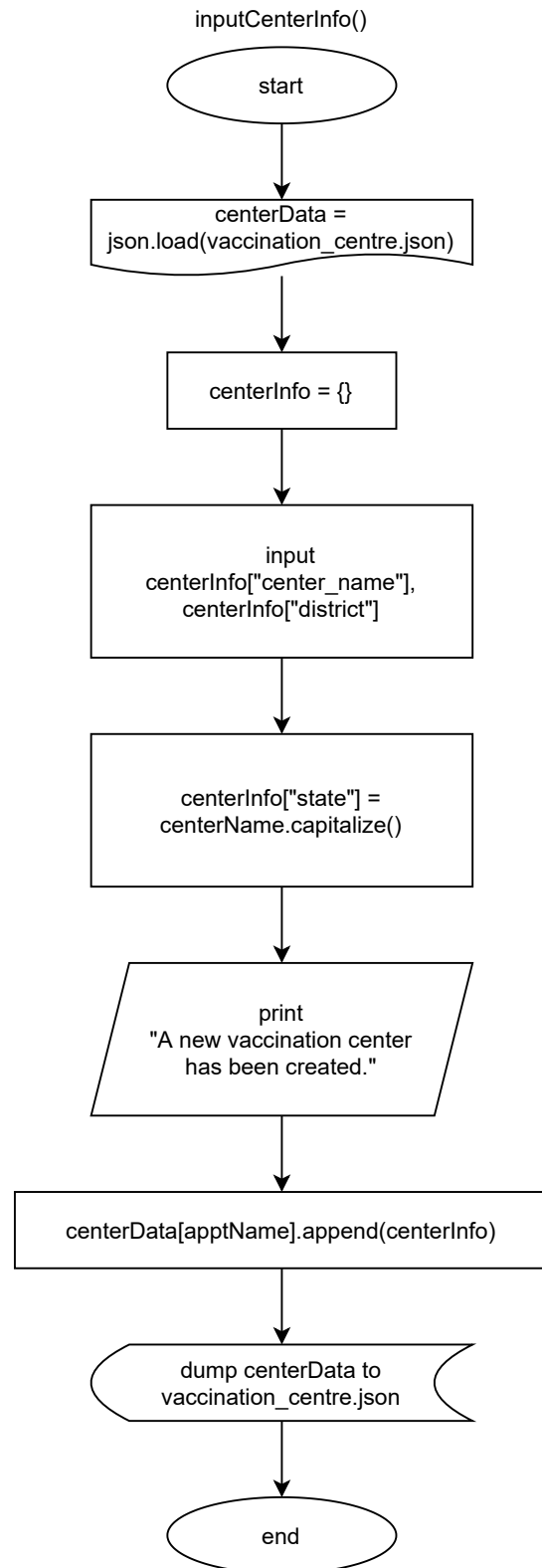
print\_user\_data()



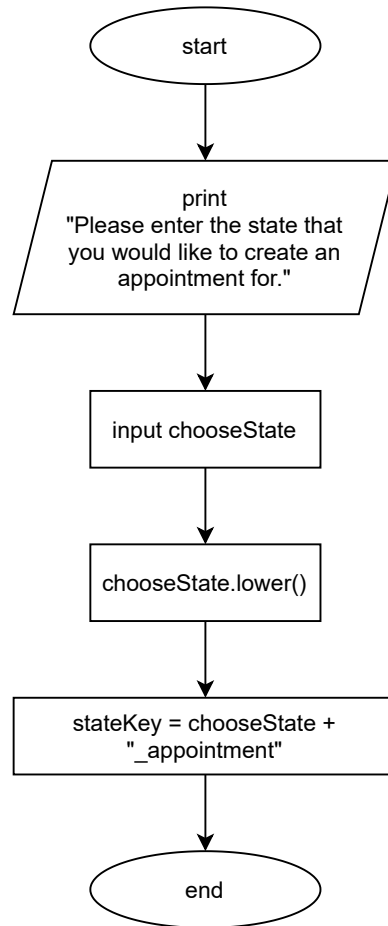




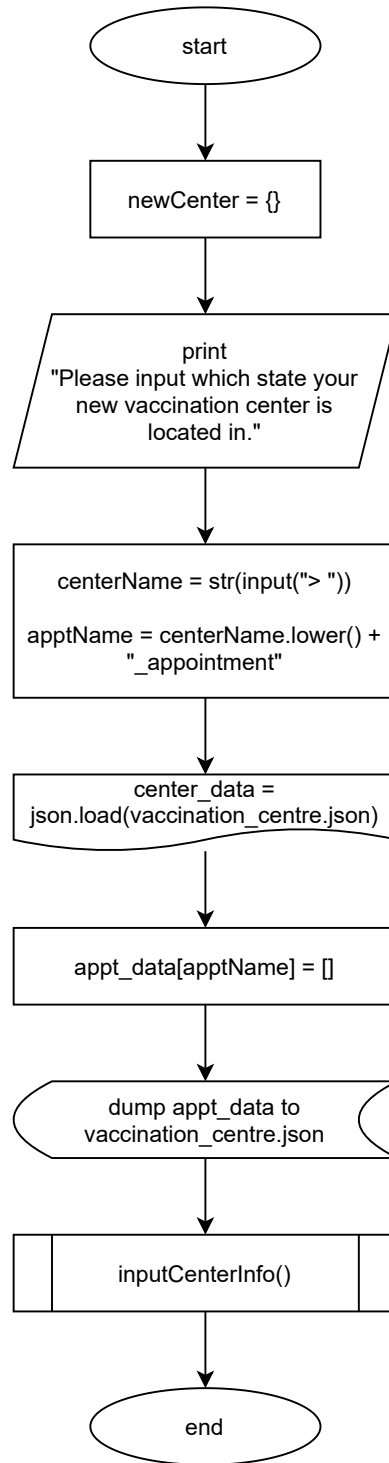




chooseApptCreationState()



createVaccinationCenter()



stateAppointmentList()

