Do you have shortness of breath (y/n)? **n**
Do you cough (y/n)? **n**
Do you have sore throat/runny nose (y/n)? **n**
Do you have diarrhea, nausea and vomiting (y/n)? **n**
You should wait to see if you will develop any symptoms.
Would you like to check again (y/n)? **y**

Do you have shortness of breath (y/n)? **y**
Do you cough (y/n)? **y**
Do you have sore throat/runny nose (y/n)? **y**
Do you have diarrhea, nausea and vomiting (y/n)? **n**
You likely have the influenza virus.
Would you like to check again (y/n)? **y**

Do you have shortness of breath (y/n)? **y**
Do you cough (y/n)? **y**
Do you have sore throat/runny nose (y/n)? **n**
Do you have diarrhea, nausea and vomiting (y/n)? **n**
You may have COVID-19, let's continue...
Enter 5 most recent temperature readings:
Temp 1:**97**
Temp 2:**98**
Temp 3:**98**
Temp 4:**97**
Temp 5:**97**
Your max. temp. was 98
Your avg. temp. was 97.4
You likely have the cold or influenza virus.
Would you like to check again (y/n)? **y**

Do you have shortness of breath (y/n)? **y**
Do you cough (y/n)? **y**
Do you have sore throat/runny nose (y/n)? **n**
Do you have diarrhea, nausea and vomiting (y/n)? **n**
You may have COVID-19, let's continue...
Enter 5 most recent temperature readings:
Temp 1:**103**
Temp 2:**105**
Temp 3:**0**
Temp 4:**106**
Temp 5:**0**
Your max. temp. was 106
Your avg. temp. was 104.66666666666667
Please seek medical attention now!
Would you like to check again (y/n)? **n**
Good bye!

COVID-19 Diagnoses

Your job is to create a simple program that allows the public to get automated recommendations on the COVID-19 outbreak.

Step 1: Upon launch, the program asks the user if they have (1) shortness of breath, (2) cough, (3) sore throat/runny nose, (4) nausea/vomiting. If a user says no to all 4 questions, inform the user that there are no symptoms and hence they should wait to see if any symptom will develop. If a user says yes to shortness of breath and coughing, and no to sore-throat and nausea, then we need to check fever (see Step 2). Any other set of answers to the 4 questions should be responded with the recommendation that the user likely has the influenza virus.

Step 2: For the case where the user said yes to shortness of breath and coughing, and no to sore-throat and nausea, we ask the user to enter the most recent 5 temperature readings. The program should compute the maximum of the 5 temperatures as well as the average of the input temperatures. Please note that the user may enter any one (or multiple) of the 5 input temperatures as zero, in which case the zero values should be ignored and not taken into account for average calculation.

Step 3: If the max temperature is greater than 104 and the average temperature is greater than 100, recommend the user to seek immediate medical attention. Otherwise, if the average temperature is greater than 99, recommend the user to monitor his/her condition and check back with the app. Otherwise, we inform the user that they have likely influenza or cold virus.

You are not allowed to use any external packages, only the concepts we have learned in class to solve this problem.

Make sure to include minimum 3-4 comments in the code