Exercise 3 – Diagnosis Guessing Game

Many diseases that we have covered so far typically have 3-5 distinguishing clinical features. This means we can work backgrounds and figure out the correct diagnosis if we know which of the features are present.

In this exercise, you will program a mini game that presents (prints to console) the user 3 clinical features and asks the user to guess which disease the patient has.

If the guess is incorrect, the program will supply the user with an additional clinical feature up to a total of 5.

You should now have all the needed programming tools to develop this program, such as

- While loops
- If else
- Inequalities
- String variables
- Lists and dictionaries
- Slice operator

Getting Started

1) As usual, started with pseudocode (comments) to figure out what each step of the program needs to do
2) Import the lists of common diseases and their clinical features using this code:

3) Start by slowly replacing pseudocode you know how to write like comparing if the users guess is correct

Tips:

- Have a variable that keeps track of the number of rounds
- To let the user continue guessing, use:
    - while guess != diagnosis
        - != means does not equal
        - Anything under the while loop will keep executing until the user gets it right
- Keep track of correct and incorrect guesses and let the user know throughout using print statements
- Remember, python list indexes start from 0, not 1!