ASU Smart Home Project Part 2

A. An explanation of how you approached the current problem.
    a. The problem was quite challenging to me. I figured the best way was to loop over both test and traindata folders and then run the methods provided for me. Hoping this would be enough.
    b. As for calculating the cosine similarity, I approached the concept mainly by research. I had no idea what this was or how it worked. Thankfully, tensorflow proved quite useful.
B. Solution for the problem.
    a. It turns out I had to store the extracted features from each folder into their own dictionary and keep track of the gesture with its attempt.
    b. After doing that for traindata folder, test data folder proved to be simpler.
    c. Cosine Similarity was thankfully provided by tensor flow. I merely kept track of which was the minimum difference, along with the correct label.
    d. I had to make a series of helper functions found in utils.py. These functions provide mapping switches between traindata and test folders.
    e. Wrote merely the output label into the Results.csv file.