Homework1- Due Jan 26th, 2022

- Write a function that takes N spike trains (response of a neuron to N trials), and display all spikes, all trials in a graphical form (i.e. rasterplot).
Note: Each spike train should be a MATLAB 'cell' {}.

- Write a function that will return N spike trains, T seconds long, distributed in a homogeneous Poisson manner (rate r). Make sure the spikes have an absolute refractory period of 2 ms (hard-coded). Display 5 such realizations using the function above (N=20, T=2, r=20Hz).

Note about format (zip file containing):
    - A word file with screen shots of the results and text/figure caption containing all the parameters you used to obtain the figure.

    -Whatever *commented* matlab code necessary to reproduce the figure. The naming convention for file names is:

<your initials (3 letters)><version number (2 digits)><function name>.m

        Ex: JMF01DisplaySpikes.m