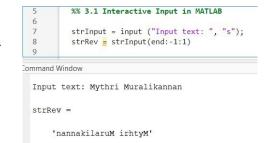
Lab #1 ECE 2026 Fall 2023 LAB COMPLETION REPORT

Name: Mythri Muralikannan Date of Lab: Sept 11th 2023

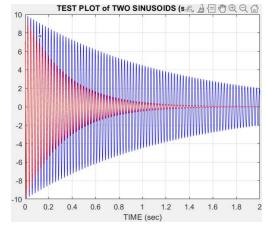
Part 3.1 Write the string reversal output below and show it to the instructor.



Part 3.2 Replace the inner for loop with only one or two lines of vectorized MATLAB code. Write the

MATLAB code in the space below:

Part 3.3 Show the plot of a decaying sinusoid.



Part 3.4 Read in a voice file and plot a section. Locate a vowel region containing a quasi-periodic waveform with higher amplitude than neighboring consonant sections. Measure the pitch period, which is the duration of a period in the vowel sound. The inverse of it is called pitch which is a vibrating frequency of a speaker's glottis when pronouncing the vowel. We will come back to this issue later in Lab #3.

Pitch Period = (0.459375 - 0.3195)/19 = 0.0073618421 Pitch = 1/Pitch Period = 135.835

Part 3.5.1 Show the plot of a time-reversed decaying sinusoid.

