

**Lab #1**  
**ECE-2026 Spring-2025**  
**LAB COMPLETION REPORT**

Name: \_\_\_\_\_

Date of Lab: \_\_\_\_\_

**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.

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