Pre-Assessment

1. **Quiz on Basic Concepts**
   a. Neuroscience Fundamentals
      i. What are neurons, and how do they communicate with muscles?

      ii. What is electrophysiology?

2. **Programming Basics**:
   a. What is Python, and what are its common uses?

   b. Can you write a simple Python script to read a file?

   c. **Data Science Basics**:
      i. What is a .wav file?

      ii. What is a .csv file?

3. **Hands-On Pre-Test**
   a. Python Programming:
      i. Write a simple Python script to print "Hello, World!"

      ii. Read a text file and print its contents.

b. Using Google Colab:
    i.   Open a Google Colab notebook and execute a basic Python cell.

    ii.   Install a Python library (e.g., NumPy) in Google Colab.

4. **Group Discussion**
   a. Discuss what you know about recording and analyzing electrical signals from muscles.

   b. Brainstorm how you think data conversion from .wav to .csv might be done.