Lab Exercise 1: Data type, variable, and strings

Learning Outcome: Upon completion of this lab, students will be able to:

- Apply various string and array methods to manipulate and analyze the collected word and/or data.

Time to complete lab exercise: 30 minutes.

Lab Instructions:

1. **Complete Class Examples:** Before starting the lab exercise, make sure you've thoroughly understood the examples covered in class. These examples serve as a foundation for the tasks you'll be completing in the lab.

2. **Complete the Lab Exercise:** Follow the instructions provided in the lab exercise description to enhance the provided JavaScript code. Your task is to add JavaScript lines to the existing code to achieve the specified functionality.

3. **Upload Complete index.js File:** Once you've completed the lab exercise and tested your code, upload the entire index.js file containing your modifications. Ensure that your code is properly formatted and commented for clarity.

Lab Exercise Description:

In this lab exercise, you will enhance the existing JavaScript code by adding lines to collect a word from the user using the prompt method, and then apply various string methods to manipulate and display information about the word. Follow these steps:

- Use the prompt method to collect a word from the user and store it in a variable.

- Apply the following string methods to the word:

  - Print the second character of the word in the console as: "The second letter of the word is: _____"

  - Print the length of the word in the console as: "The length of word _____ is _____"

  - Print the word in all uppercase in the console.

  - Extract the last two characters of the word using the slice() method and display the result in the console as: "The last two characters of the word is _____"

Ensure that each step is implemented correctly and tested thoroughly before proceeding to the next step. Once you have completed all the tasks, upload the modified index.js file for evaluation.