Assignment

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\*Part 1: Selenium WebDriver Locators\*

1. Create a Selenium WebDriver script that navigates to the website "https://www.example.com".

2. Locate the following elements on the page using different locator strategies:

- The main heading (h1 tag)

- The first paragraph of text

- A link in the footer

- An input field (e.g., search bar)

3. Implement assertions to verify that the elements are present on the page and that their text content matches your expectations.

\*Part 2: Primitive Data Types and String Classes in Java\*

1. Declare variables for the following primitive data types in Java:

- int: Represent the current year (2024)

- double: Represent the value of pi (3.14159)

- boolean: Represent whether the sky is blue (true)

- char: Represent the first letter of your name

2. Perform the following operations with the variables:

- Print the value of each variable to the console.

- Perform arithmetic operations (addition, subtraction, multiplication, division) with the int and double variables.

- Concatenate the char variable with a string to create a new string.

3. Utilize the following Java String classes and methods:

- String: Declare a string variable with your name.

- length(): Find the length of your name.

- toLowerCase() and toUpperCase(): Convert your name to lowercase and uppercase, respectively.

- replace(): Replace a character in your name with a different character.

- substring(): Extract a substring from your name.

\*Submission Guidelines:\*

1. Implement the solutions for both parts of the assignment using Java and Selenium WebDriver (if applicable).

2. Organize your code in a clear and structured manner, with appropriate comments explaining your approach and the purpose of each step.

3. Test your code thoroughly to ensure it works as expected.

4. Submit your completed assignment, including the Java and Selenium WebDriver code files, to your instructor or the designated platform.

This practice assignment will help you demonstrate your understanding of Selenium WebDriver locators, primitive data types, and string classes in Java. Good luck!