

## Assignment No. 1

EECS 468

Programming Language Paradigms

Due: 11:59 PM, Friday, September 1, 2023

Submit deliverables in a single zip file to Canvas

Files in other formats (e.g., .tar) will not be graded

Name of the zip file: FirstnameLastname\_Assignment1 (with your first and last name)

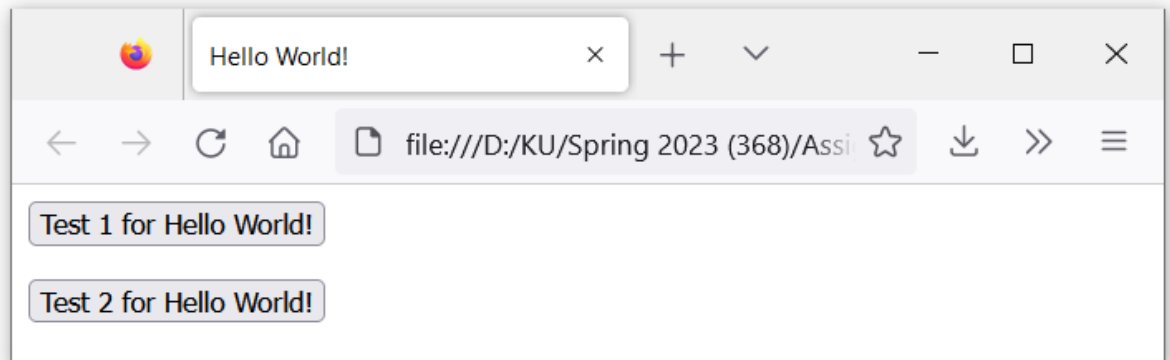
Name of the Assignment folder within the zip file: FirstnameLastname\_Assignment1

### Deliverables:

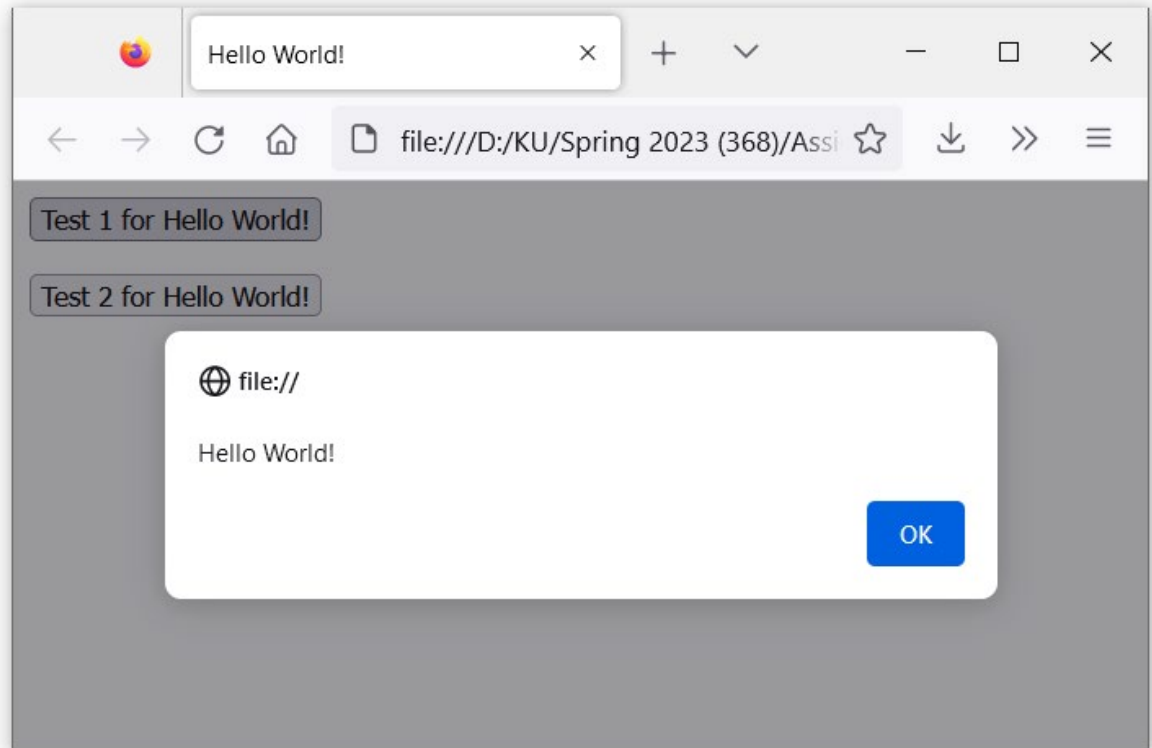
1. Copy of Rubric1.docx with your name and ID filled out (do not submit a PDF)
2. HTML file named: Assignment1.html
3. The grader will execute your HTML file to ensure it runs.
4. Do not include any external files (e.g., .js, .css).
5. All of the JavaScript code must be included in the HTML file.

### Assignment:

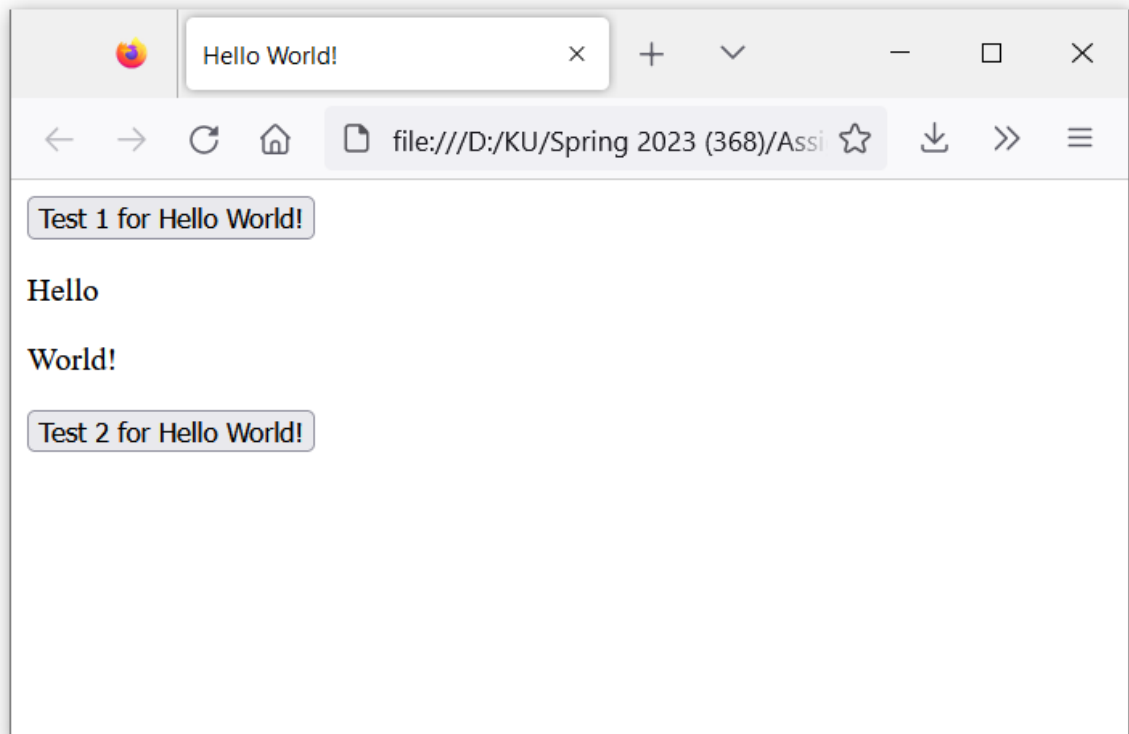
- Create an HTML file that produces a web page with two buttons labeled: “Test 1 for Hello World!” and “Test 2 for Hello World!” and a tab labeled “Hello World!”. For example:



- 
- Write a JavaScript function that uses the JavaScript “alert” function which produces a webpage like this when the button “Test 1 for Hello World!” is clicked on:



- 
- Write another JavaScript function which produces a webpage like this when the button “Test 2 for Hello World!” is clicked on:



- 
- Hint: See the example of changing the text in a paragraph in the “JavaScript and the Browser” lecture.

- Provide comments for both the HTML and JavaScript code that explain what each line of code is doing. See rubric below.
- The HTML comment tag `<!--...-->` is used to insert comments in the source code like this:
- `<!--This is a comment.-->`
- Comments are not displayed in the browsers.

Rubric for Program Comments		
Exceeds Expectations (90-100%)	Meets Expectations (80-89%)	Unsatisfactory (0-79%)
Software is adequately commented with prologue comments, comments summarizing major blocks of code, and comments on every line.	Prologue comments are present but missing some items or some major blocks of code are not commented or there are inadequate comments on each line.	Prologue comments are missing all together or there are no comments on major blocks of code or there are very few comments on each line.

Adequate Prologue Comments:

- Name of program contained in the file (e.g., EECS 368 Assignment 1)
- Brief description of the program, e.g.,
  - Hello World! examples using JavaScript and HTML
- Inputs (e.g., none, for a function, it would be the parameters passed to it)
- Output, e.g.,
  - Browser window with 2 test buttons
- All collaborators
- Other sources for the code ChatGPT, stackOverflow, etc.
- Author's full name
- Creation date: The date you first create the file, i.e., the date you write this comment

Adequate comments summarizing major blocks of code and comments on every line:

- Provide comments that explain what each line of code is doing.
- You may comment each line of code (e.g., using `//`) and/or provide a multi-line comment (e.g., using `/*` and `*/`) that explains what a group of lines does.
- Multi-line comments should be detailed enough that it is clear what each line of code is doing.
- Each block of code must indicate whether you authored the code, you obtained it from one of the sources listed in the prolog, or one of your collaborators authored the code, or if it was a combination of all of these.

Collaboration and other sources for code:

- When you collaborate with other students or use other sources for the code (e.g., ChatGPT, stackOverflow):
  - Your comments must be significantly different from your collaborators.

- More scrutiny will be applied to grading your comments in particular explaining the code “in your own words”, not the source’s comments (e.g., ChatGPT’s comments).
- Failure to identify collaborators or other sources of code will not only result in a 0 on the assignment but will be considered an act of Academic Misconduct.
- Students who violate conduct policies will be subject to severe penalties, up through and including dismissal from the School of Engineering.