Assessment 1: Write a loop to increment a variable by 1

(20%)

**Due:** June 4th, 2019

Students will have to write a loop in JavaScript on an html page that will output the incremented value of a variable by 1 each iteration, up until a pre-determined value limit.

**Instructions**

Using an HTML file, use the <script> block at the top of the page to write a loop that will increment the numeric value of a pre-defined variable by one every iteration, and then stop at a specific point, ending the loop.

Please refer to the rubric at the end of this document for evaluation details.

**Requirements**

* Loop can be any of the loops covered in class
* Name the variable(s) something meaningful
* Exit the loop on pre-determined value limit (such as 50)

**Submission**

* Upload to D2L Dropbox folder labeled “Assessment 1: Write a Loop”

**Evaluation**

This assessment is graded out of 16 points and will be evaluated using the following rubric.

Learners may receive partial scores or a zero for unacceptable work.

| Criteria | Does Not Meet Expectations 1 | Partially Meets Expectations 2 | Meets Expectations 3 | Exceeds Expectations 4 | Max Points |
| --- | --- | --- | --- | --- | --- |
| **Quality of Implementation** | Inadequate comprehension of concepts or theories presented in course materials. | Partial comprehension of concepts or theories presented in course materials. | Adequate comprehension of concepts or theories presented in course materials. | Broad and in-depth comprehension of concepts or theories presented in course materials. | 4 |
| **Required Components** | Work is missing/does not address required components indicated in the instructions. | Work is missing/does not address some of the required components indicated in the instructions. | Work includes all components and meets the requirements indicated in the instructions. | Work includes and exceeds the requirements indicated in the instructions. | 4 |
| **Code Quality** | Unclear organization. Many grammatical, spelling, or punctuation errors. | Some signs of logical organization. A few grammar, spelling, or punctuation errors. | Organization supports purpose. Almost no grammatical, spelling, or punctuation errors. | Organization fully supports purpose. No grammatical, spelling, or punctuation errors. | 4 |
| **Functionality** | Does not function, errors are present. | Some noted requirements behave as required, however some do not. | All noted requirements behave as required. | All noted requirements behave as required, following best practices outlined in class. | 4 |