Centennial College

CENTENNIAL COLLEGE PROGRESS CAMPUS

COURSE COMP125
ASSIGNMENT #1

JavaScript Loops

Create an HTML document called **assignment1.html** that implements a webpage that dynamically creates (using JavaScript code) a 10X10 HTML table and displays in each cell the value of row times the column to create a multiplication table. Allow the user to select the number of rows and columns to redraw a new table.

Use material you studied in class, powerpoint, book, etc…

Follow these guidelines to implement your assignment:

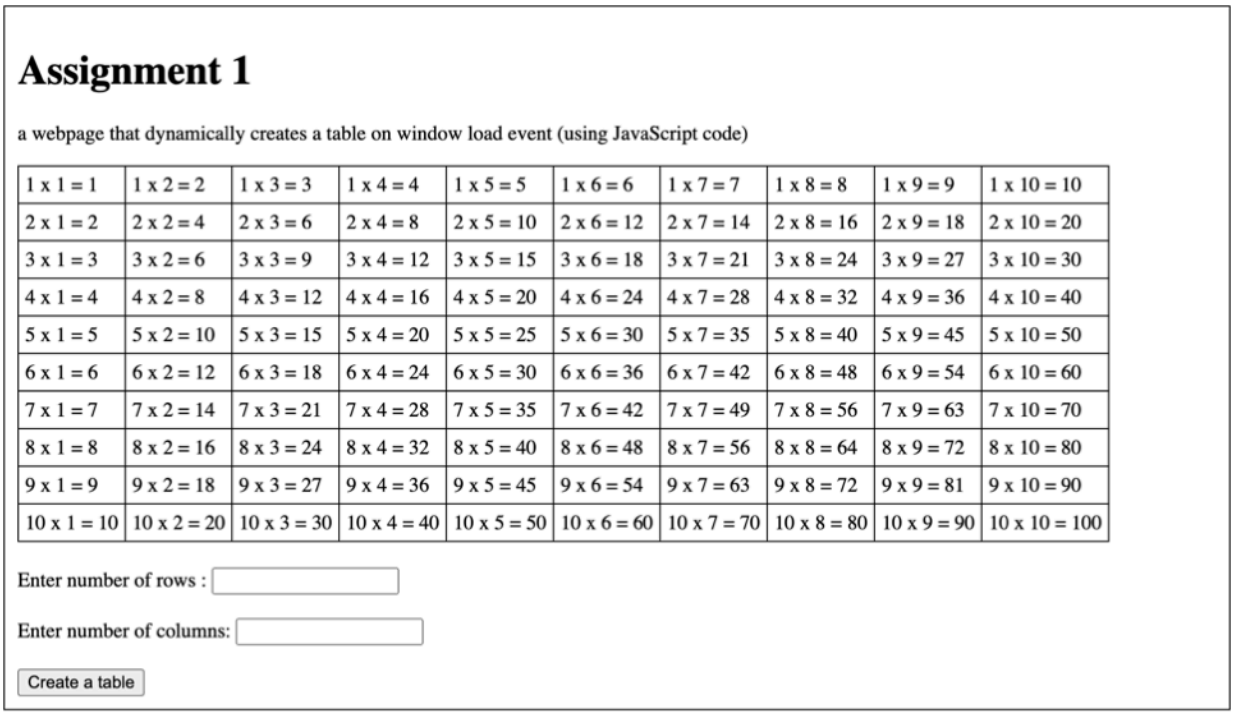
1. Create assignment1.html file
2. Create a JavaScript file called assignment1.js and write the code for a function that draws the table.
3. Load the assignment1.js file at the end of the body in assignment1.html.
4. Invoke the function when the visitor opens the assignment1.html page in browser. Use window onload event.
5. (**10% of the grade**) Accept user input for the number of rows and columns in the table.
6. (**10% of the grade**) Use good web design practices to enhance visually your html page. Add a title, picture, colors, copyright line, etc. CSS in a separate file.

Basic screenshots for the functionality of this assignment are on the next page.

Zip your project (the extension of the zipped files **must** be .**zip**) and submit your files assignment1.html and assignment1.js to the Assignment 1 drop box.
ALSO PUBLISH IT to the student web and then copy the link to assignment1.html to your drop box submission. For example: http://studentweb.cencol.ca/username/comp125/assignment1.html

If you have GitHub account then it is best to publish your work there.

Examples of on first load of the page:



Assignment 1

a webpage that dynamically creates a table on window load event (using JavaScript code)

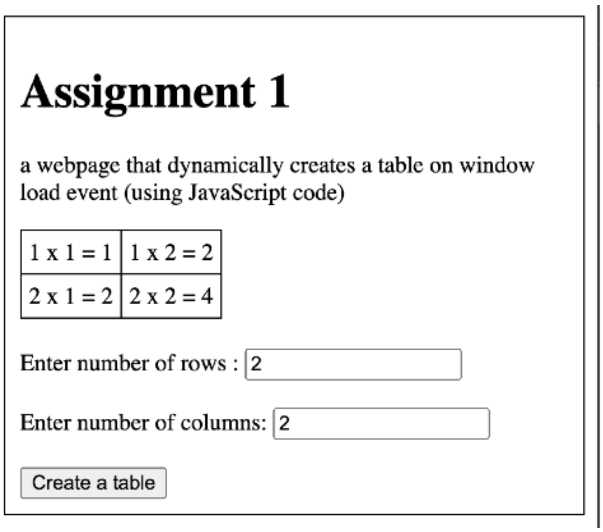
1 x 1 = 1	1 x 2 = 2	1 x 3 = 3	1 x 4 = 4	1 x 5 = 5	1 x 6 = 6	1 x 7 = 7	1 x 8 = 8	1 x 9 = 9	1 x 10 = 10
2 x 1 = 2	2 x 2 = 4	2 x 3 = 6	2 x 4 = 8	2 x 5 = 10	2 x 6 = 12	2 x 7 = 14	2 x 8 = 16	2 x 9 = 18	2 x 10 = 20
3 x 1 = 3	3 x 2 = 6	3 x 3 = 9	3 x 4 = 12	3 x 5 = 15	3 x 6 = 18	3 x 7 = 21	3 x 8 = 24	3 x 9 = 27	3 x 10 = 30
4 x 1 = 4	4 x 2 = 8	4 x 3 = 12	4 x 4 = 16	4 x 5 = 20	4 x 6 = 24	4 x 7 = 28	4 x 8 = 32	4 x 9 = 36	4 x 10 = 40
5 x 1 = 5	5 x 2 = 10	5 x 3 = 15	5 x 4 = 20	5 x 5 = 25	5 x 6 = 30	5 x 7 = 35	5 x 8 = 40	5 x 9 = 45	5 x 10 = 50
6 x 1 = 6	6 x 2 = 12	6 x 3 = 18	6 x 4 = 24	6 x 5 = 30	6 x 6 = 36	6 x 7 = 42	6 x 8 = 48	6 x 9 = 54	6 x 10 = 60
7 x 1 = 7	7 x 2 = 14	7 x 3 = 21	7 x 4 = 28	7 x 5 = 35	7 x 6 = 42	7 x 7 = 49	7 x 8 = 56	7 x 9 = 63	7 x 10 = 70
8 x 1 = 8	8 x 2 = 16	8 x 3 = 24	8 x 4 = 32	8 x 5 = 40	8 x 6 = 48	8 x 7 = 56	8 x 8 = 64	8 x 9 = 72	8 x 10 = 80
9 x 1 = 9	9 x 2 = 18	9 x 3 = 27	9 x 4 = 36	9 x 5 = 45	9 x 6 = 54	9 x 7 = 63	9 x 8 = 72	9 x 9 = 81	9 x 10 = 90
10 x 1 = 10	10 x 2 = 20	10 x 3 = 30	10 x 4 = 40	10 x 5 = 50	10 x 6 = 60	10 x 7 = 70	10 x 8 = 80	10 x 9 = 90	10 x 10 = 100

Enter number of rows :

Enter number of columns:

Create a table

Example of user input.



Assignment 1

a webpage that dynamically creates a table on window load event (using JavaScript code)

1 x 1 = 1	1 x 2 = 2
2 x 1 = 2	2 x 2 = 4

Enter number of rows : 2

Enter number of columns: 2

Create a table