

ITC 250/CPET 499 Web Systems
Fall 2013

Homework Assignment #7

Assigned Date: Oct. 31, 2013, Thursday

Due Date: Nov. 12, 2013, Tuesday, before 3:00 PM (as email attachments)

Individual assignment

JavaScript Exercises/Problems

1. Modify Fig. 9.4 HTML page and Fig. 9.5 Javascript code so that extra Die Rolling Frequencies as shown in Fig. 9.6 (page 294) will be displayed under the Four Die Images as shown on page 289. Save the two files as Hw7-1.html and Hw7-1.js respectively.
2. Hw7-2.html Write a script that generates a Sine and Cosine table in the following format.
 - a. Note that all trigonometry functions accepts angle theta in radians: $\sin()$ and $\cos()$. Use Math.PI constant or property
 - b. The following items should be in the HTML page
 - "Start Print" button
 - An area for display the table
 - c. Proper CSS style for table should be used
 - d. JavaScript and HTML pages can be together
 - Four arrays should be declared: θ_{deg} , θ_{rad} , $\sin\text{Array}$, $\cos_Array$
 - Functions should be used

Theta (degree)	Theta (radians)	Sin(theta)	Cos(theta)
0	$\text{PI} * 0$	0.0000	1.0000
45	$\text{PI} * 1/4$	0.7071	0.7071
90	$\text{PI} * 1/2$	1.0000	0.0000
135	$\text{PI} * 3/4$	0.7071	-0.7071
180	PI	0.0000	-1.0000
225	$\text{PI} * 5/4$	-0.7071	-0.7071
270	$\text{PI} * 6/4$	-1.0000	0.0000
315	$\text{PI} * 7/4$	-0.7071	0.7071
360	$\text{PI} * 2$	0.0000	1.0000

3. Do exercise 10.10, on page 356 and use file names Hw7-3.html and Hw7-3.js for the problem
4. Do exercise 11.10 – page 390

Hand In Requirement

- Email all homework 7 html pages and JavaScript source codes to Prof. Lin at lin@ipfw.edu .