Activity List for JavaScript Tutorial 10, Dec 7

Files/folders for this activity list:
1. comparison, logical oprs notes
2. comparison, logical oprs exerc
3. if and switch statements
4. loop notes
5. <u>folder</u>: loop exerc (optional)
6. <u>folder</u>: code snippets (if if-else for)
7. activityList-JS-Tut10, Dec 7 (this list)

Time frame for activities: ~3 classroom hours approx.

Overview:
This is the Activity List for **Activities - Tutorial 10, Dec 7**. Download this folder from **Activities folders** folder in *Lessons* Tab of Brightspace and unzip it. If you need help with unzipping, refer to document about zipping/unzipping in *Course Info* tab. Then move the files to your CS103 folder on your home computer. Keep your files organized. (Find help in managing your files in *Preliminary course documents* folder.)

The activities consist of about 3 classroom hours of lessons and instruction. Follow the activity list to guide you. The activities will hopefully reinforce your learning about the basics of JavaScript programming language. The activities included here are <u>ungraded practice</u> and notes covering the topics of Tutorial 10.

Test 3 announcement: Test 3 will be online and available **Tues Dec 19 through Fri Dec 22 11:59pm**. It consists of most of **Tutorial 9** and 3 topics in **Tutorial 10** -- comparison and logical operators, if, if-else statements, and just the "for" loop. See below, **WHAT TO STUDY**.

Practice test items for Test 3 are located in the *Test info and practice* module. Also practice the Quick Checks which are the questions that appear at the end of each of the three sessions in Tutorial 9 and 10 in the textbook. Refer to the Quick **Checks to Try** so that you are only practicing things that will be on the test. Check your answers with the **Quick Check answers** which are also in the *Test info and practice* module.

Some announcements:
1. If you are interested in taking a retest of either Test 1 or Test 2, please email me at **perel@ecc.edu**. You may need to come to my office in K154 at North campus (Williamsville) to take it. Contact me by Wed Dec 20 to schedule a time.

2. Let me remind you that my **grades are due Fri Dec 29** 4pm. I will accept late homework up to **Fri Dec 22**. Read if you haven't already, the document in the previous Activities Folder (Dec 3) called **End of semester info**. (If you need a day or two after the semester ends to get work done, let me know and I will try to work with you.)

Activities:
Read the notes and try any exercises or study the related sample code.
    a. <u>study the notes</u>: **comparison, logical oprs notes;** <u>read</u> in the book p760 to the top of p761 (and section 10-7 in MindTap Reader)
    b. <u>try the exercise</u>: **comparison, logical oprs exerc**
    c. <u>study the notes</u>: **if & switch statements notes**. note that the switch statement is **<u>not</u>** <u>on the test</u>. <u>read</u> in the book10.3, from middle of page 773

through p774 and middle of p777 to top of p778 (sections 10-11a, and 10-11c in MindTap reader)

d. <u>study the notes</u>: **loop notes**. <u>read</u> 10.2, "For" loops on p756-758, (other loop types p758-760) (sections 10-6, 10-6a, 10-6b, 10-6c in MindTap reader)

e. <u>practice</u> following the code in the **<u>folder</u>: code snippets** (examples with if, if-else, for-loop)

f. <u>try the exercise</u> in **<u>folder</u>: loop exerc** (OPTIONAL)

TEST 3 -- WHAT TO STUDY

Beside the studying the notes form the previous Activities folder and this one …,

FROM TUTORIAL 9: study **<u>all</u> of Tutorial 9 except for pp678-679 and p718-722.**

object references and document.getElementById("idname")	pp684-690; entirety of sections 9-8, 9-9, and 9-10, including a, b, c of 9-8, and a, b of 9-9 in MindTap Reader
variables	p693-695; entirety of section 9-11 (include a, b, c) in MindTap Reader
Date object	pp695-701; entirety of section 9-12 (including a, b and c) in MindTap Reader
concatenator operator (+ symbol). The "+" symbol will *add numbers,* but it also *strings together text strings* if an operand are is a string.	p698, 704; concatenator (+ symbol) is discussed in section 9-12b, 3 paragraphs down from Fig. 9-20
Math operators	p704-705; entirety of section 9-15 (including a, and b) in MindTap Reader
Math objects	p707-713, .toFixed on p721; section 9-16, 9-16a, 9-16b in MindTap Reader
Functions	p714-717; entirety of section 9-17 (including a, and b) in MindTap Reader

These Tutorial 9 pages can be **<u>skipped</u>**: <u>last 2 sections of 9.3</u> in the book. Skip "Insert a breakpoint", p679; "Running Timed Commands" (pp718-720 or section 9-18 in the e-text); "Controlling how JS Works With Numeric Values" but *do* know the **toFixed(n**) method and **parseInt()**. Example of toFixed: If **x** = 8.3579 then **x.toFixed(2)** = 8.36. (pp720-723, or section 9-19 in the e-text).

FROM TUTORIAL 10: study the pages specified in the table below.

comparison operators (==, <, > etc.) and logical operators, OR is ||, AND is &&	10.2, p760 to the top of p761 (and section 10-7 in MindTap Reader)
if and if-else statement	10.3, from middle of page 773 through p774 and middle of p777 to top of p778 (sections 10-11a, and 10-11c in MindTap reader)
Loops (the "for" loop only)	10.2, "For" loops on p756-758, (other loop types p758-760) (sections 10-6, 10-6a, 10-6b, 10-6c in MindTap reader)