

IST 239 Datum and JavaScript

Chapter 7 Assignment

Create an html document called chapter7assign.htm as explained in the following specifications:

Develop a Web document as shown below that contains the following features:

- a. Page title is Chapter 7 Assignment. (use <title> tags)
- b. Create two separate arrays (do this in the head section of the html page), one called books and one called authors.
 - i. In the books array, add the following book titles:
 1. War and Peace
 2. Huckleberry Finn
 3. The Return of the Native
 4. A Christmas Carol
 5. Exodus
 - ii. Populate the authors array by using a loop that uses the length property of the book array in a **for** loop that prompts the user for the last name of the author. The user prompt should contain the title of the book.
The author's names are as follows:
 1. Tolstoy
 2. Twain
 3. Hardy
 4. Dickens
 5. Uris
- c. Now that you have the two arrays set up and populated, create a loop that will output a line for each book and author as shown (notice the bold words):

Book: War and Peace **Author:** Tolstoy

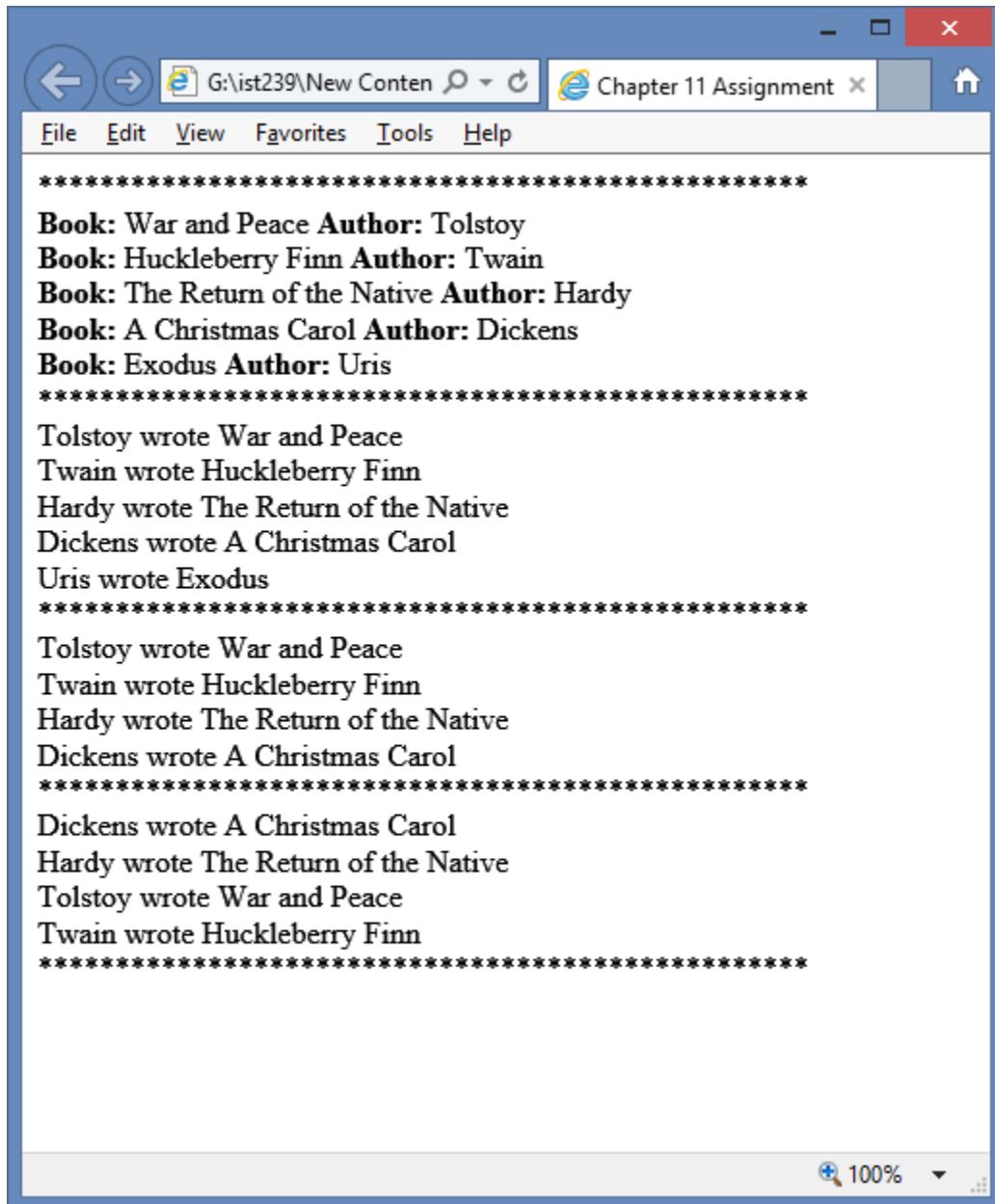
- d. Next, create a new array called author_title in which you put the author's name and book title into a string and assign it to the array. Use the contents from the previously created arrays to do this. Create a line for each author that states their name and the book they wrote. See the following example:

Tolstoy wrote War and Peace

Print out the elements in the author_title array using a for loop.

Hint: each line is simply a single string element. For instance, the line you see above is just a single element in the author_title array. You'll have one for each author.

- e. Use a simple array method to drop off the last element in the author_title array (Uris). Print out the elements in the author_title array using a for loop.
- f. Sort the author_title array in alphabetic order, and then print out the elements in the author_title array using a for loop.
- g. Use asterisks as shown in the sample figure to separate your steps above.



Once you've completed this assignment, zip the html file and submit the file to the appropriate Dropbox.