

Web Client Programming

Assignment 6

Due: Next Section. (*one day before if you submit by email*)

Notes: This assignment is individual assignment, every student should complete it by himself.

1. True or False? Why?

- a. Reference types are classes used to group data and functionality.
- b. You can only define objects with the “new” operator.
- c. Object elements can be named with numerical identifiers
- d. In JavaScript an array can have only elements of the same types.
- e. In JavaScript Array.length is read only operator.
- f. The last item in an array is always at position length-1
- g. The Array.join() function is a good tool to create customized delimiter file.
- h. In JavaScript, It is not possible to add item in front of an array.
- i. In JavaScript, It is not possible to delete item at the end of an array.
- j. The Array.sort() function works only when all the array elements are numbers.
- k. In JavaScript, you can use splice to delete elements only but can't insert.
- l. In JavaScript, Date type stores dates based on the local machine date format.
- m. The Date.valueOf() return dates in UTC format

2. Write a mapping function to return the square of each element of the following array [2,6,3,9].

3. Write a JavaScript code to sort the following array [1,2,11,12,4,5].

4. Write a JavaScript code to calculate your lifetime in days.

5. Write a JavaScript code to reverse the array [1,5, 3,4,10] without using the Array.reverse() function.

6. Write a JavaScript code to sort the array ["a", "z", "l", "n", "b"] and delete the medium element.

7. Use an appropriate JavaScript iterative method to check whether all elements of the array [1, 2, 5, 23, 8] are even or not.

8. Write JavaScript code to find every match for the word "at" in the following text (He told me I'll wait you at the train station, that was 10 years ago).