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| **JAVASCRIPT QUESTIONS** |
| 1. The function **ChangeString**(**str**) needs to modify the **string** passed using the following rules:  * Replace every letter in the string with the letter that follows it in alphabetical order (ie. **Z becomes a, l** becomes **m**). * Take every vowel in this new string (a, e, i, o, u) and Capitalize it. * Return this modified string.   **E.g: Input**: "hello\*3" **Output**: Ifmmp\*3 |
| 1. The function **LetterSurround(str)** needs to find out if the **string** passed is an acceptable sequence by either returning **true** or **false**. The **string** parameter will be composed of **+** and **=** symbols with several characters between them. For the string to be true each letter must be surrounded by **+** symbol. Test Cases: The string will not be empty and will have at least one letter.   **E.g: Input**: "+d+=3=+s+" **Output**: **true**  **E.g. Input**: "f++d+" **Output**: false |
| 1. The function **HourMinute(num)** must return the number of **hours** and **minutes** the parameter converts to. Separate the number of hours and minutes with a colon.   **E.g. Input**: 126 **Output**: 2:6  **E.g. Input**: 45 **Output**: 0:45 |
| 1. The function **AgeConvert(num)** needs to calculate the age of a person, given the birth date.   **E.g. Input**: 28-02-1992 **Output**: 27 |
| 1. The function **OddRange(num1, num2)** takes two **integers** and needs to return an array of the odd numbers between the given integers. |
| 1. Create a HTML form which contains one text area. Enter a sentence. Find the length of the longest word of that sentence using javascript. Also show the execution of this code with the javascript code as a “.js” file outside the HTML |
| 1. Create a HTML form to accept a number. Include button to check whether the input is divisible by 3 or 7. Display the result. Ensure the data entered in the text box is a number only. Use Javascript for this client side scripting. Display appropriate error texts. Also show the execution when the javascript code in a different file. |
| 1. Create a HTML form to accept a number. Include two buttons which when clicked   **a)** Button#1 displays value got when the number multiplied by 2  **b)** Button#2 displays value got when the number is multiplied by itself  Display the result. Ensure the data entered in the text box is a number only. Use Javascript for this client side scripting. Display appropriate error texts. Also show the execution when the javascript code in a different file. |
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| 1. Create a web page which contains a form that accepts one text and two numeric values. The labels are stored in a JSON array which stores the label values of the form. Print the labels from this JSON object. Ensure that you use <style> tags where ever possible. The numerical values have to be added up using a Javascript function called “Add” and displayed. |
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