

Javascript 3: Exercises

Set up a html page and link a javascript file to it with the script tag. Link to the jQuery library file on google or some other CDN. Now implement the following in the script file:

jQuery

1. Create 3 divs next to each other in the HTML page
 - a. Give them a height and width of 100px and different background colors.
 - b. Hide the first div when it is clicked.
 - c. Change the border size to 4 of the second div when it is hovered.
 - d. Change font size on the third when the second one is being clicked.
2. Create 9 divs (3x3) and give each a number inside
 - a. Iterate over the div element and add click event handlers
 - b. When a div is clicked its value should change to its value to the power of 2.
3. Create a list (UL) in html with 10 list items
 - a. Using filters in jquery change the background color of each second list item to be light grey.
 - b. Iterate over the items and increase the font size on each item progressively.
4. Create an html page with 10 small pictures next to each other
 - a. Create a function that will swap the pictures around
 - b. Apply the function whenever an image is clicked
5. Create a form with input fields for user registration
 - a. Using jquery check that all input fields have been filled out
 - b. If not insert a message in red writing inside the input field that was not filled.
 - c. Make sure the submit button is disabled as long as not all fields are filled.
6. Take an array of person objects and iterate over them.
 - a. Insert all attributes of each object in a table that you create with jquery.
 - b. Make an eventhandler for mouseover event on each table row, so that when hovering over a person object the text becomes bold and italic.
7. The exercise from yesterday – building a calculator
 - a. Change it so it is build with jQuery instead of vanilla javascript.

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