Quick Start

Difficulty: Easy

Create a HTML file and place a div inside the body. Create a javascript code for window onload event. Display "Hello world." in the div onload.

Difficulty: Medium

Create a HTML file and place a div inside the body. Create a javascript code for window onload event. Create variables name and age with values "John" and 25 respectively. Display "Hello <<name>>! You are <<age>> years old." in the div onload.

Difficulty: Hard

Create a HTML file and place a div inside the body. Create a javascript code for window onload event. Create variables name and age with values "John" and 25 respectively. Display "Hello <<name>>! You are <<age>> years old." in the div onload. In the next line, Display "In 10 years, you will be <<age+10>> years old".

Writing Your First Lines of Code

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard

The Tools of Trade

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard

Progressive Part Practice Assignments

Difficulty: Easy

Install the best tool suggested in the tutorial and create a HTML program and display Hello message with variable like name, age with sample values. Display the Greeting message in the div using its id attribute in the load event of the window.

Difficulty: Medium

Difficulty: Hard

Basic Building Blocks

Difficulty: Easy

Create the following variable:

name="John"

age=42

gpa=4.54

and display their values in div on window load event.

Difficulty: Medium

Create the following variable:

name="John"

age=42

gpa=4.54

and display their values in div on window load event.

Difficulty: Hard

Create the following variable:

name="John"

age=42

gpa=4.54

and display their values in div on window load event.

Mathematics

Difficulty: Easy

Display the multiplication table of 8 from 1 to 10 using while loop

Difficulty: Medium

Diplay the multiplication table of 15 from 1 to 10 using for loop

Difficulty: Hard

Prompt the user to enter a number between 1 and 15. Repeat until user enters correct input within the range. Then display the multiplication table of input from 1 to 10 using for loop.

Obtaining User Input

Difficulty: Easy

Create a HTML form to accept First Name and Last Name from the user. On button click, greet the user with First and Last name concatenated with a space.

Difficulty: Medium

Create a HTML form to accept User Name, Password and Confirm Password. Check if all the input controls are not blank. Display error message if blank. Else display User Name in a dialog box.

Difficulty: Hard

Create a HTML form and accept User Name, Password and Confirm Password. Check if all inputs are entered. If they are blank display error message. Check if password and confirm password matches. Else display appropriate error message.

Making Decisions with Conditionals

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard

While Loops and For Loops

Difficulty: Easy

Display the multiplication table of 8 from 1 to 10 using while loop

Difficulty: Medium

Diplay the multiplication table of 15 from 1 to 10 using for loop

Difficulty: Hard

Prompt the user to enter a number between 1 and 15. Repeat until user enters correct input within the range. Then display the multiplication table of input from 1 to 10 using for loop.

Progressive Part Practice Assignments

Difficulty: Easy

Accept user input of 2 numbers. Based on the value selected in the dropdown list, do addition, subtraction and multiplication to produce result in a div on button click.

Difficulty: Medium

Difficulty: Hard

JavaScript Objects

Difficulty: Easy

Create an array of Countries and populate them in a dropdown list (select - option) in the window load event.

Difficulty: Medium

Create an array of Countries and populate them in a dropdown list (select - option) in the window load event.

Allow users to add a country by typing in a text box and on button click, push the new country into the array and also in the dropdown list.

Difficulty: Hard

Create an array of Countries and populate them in a dropdown list (select - option) in the window load event.

Allow users to add a country by typing in a text box and on button click, push the new country into the array and also in the dropdown list.

Allow users to select a country and remove it on a button click. Remove the country from the array and also from the dropdown list.

JavaScript Event Objects

Difficulty: Easy

Create a form to accept two numbers using textboxes and on clicking add button, display the sum of those two numbers in result div.

When the focus received, the current textbox background color should become yellow. On blur, it should become white.

Difficulty: Medium

Create a form to accept two numbers using textboxes and on blur event of the textboxes, display the sum of those two numbers in result div.

When the focus received, the current textbox background color should become yellow. On blur, it should become white

Difficulty: Hard

Create a form to accept two numbers using textboxes and on key up event of the textboxes, display the sum of those two numbers in result div.

When the focus received, the current textbox background color should become yellow. On blur, it should become white."

JavaScript Date Object

Difficulty: Easy

Accept the user input as date of birth and display it in dd-MMM-yyyy format

Difficulty: Medium

Accept the user input as date of birth and display the day, month, year in separate lines with label.

Difficulty: Hard

Accept the user input as date of birth and display the day, month, year and also the week day (ex: Monday) in separate lines with label.

JavaScript String Object

Difficulty: Easy

Allow user to enter a sentence in the input text and convert the first letter of each word to upper case. Display the result in a div.

Difficulty: Medium

Accept the Employee Id in a text box (ex: EMP1005) which is alphnumerice. Display the next Employee ID in result div by adding 1 to the numeric part of the string.

Difficulty: Hard

Accept the Employee Id in a text box (ex: EMP1005) which is alphnumerice. Display the next Employee ID in result div by adding 1 to the numeric part of the string.

Accept the date of birth in dd-MM-yyyy format and convert the '-' into '/' and display the result in div.

JavaScript Audio and Video

Difficulty: Easy

Keep 2 audio files one for success and another for failure. On submit, if the form is valid, play success file else play the failure file.

Difficulty: Medium

Create a player to play audio. Allow users to control the audio to play, pause, stop. On stopping, it should reset to play time of 0 to begin when clicking play again.

Difficulty: Hard

Create a player to play video Allow users to control the audio to play, pause, stop. On stopping, it should reset to play time of 0 to begin when clicking play again.

Allow user to move to any part of the audio using a slider.

The XMLHTTPREQUEST() Object

Difficulty: Easy

Access the url "https://data.hartford.gov/resource/daux-ukcc.json" using XMLHttpRequest in async mode. When the readyState is 4 and status is 200, display the responseText in a dialog box.

Difficulty: Medium

Access the url "https://data.hartford.gov/resource/daux-ukcc.json" using XMLHttpRequest in async mode. When the readyState is 4 and status is 200, store the responseText in a variable by parsing it as an array of JSON objects (hint: JSON.parse()).

Difficulty: Hard

Access the url "https://data.hartford.gov/resource/daux-ukcc.json" using XMLHttpRequest in async mode. When the readyState is 4 and status is 200, store the responseText in a variable by parsing it as an array of JSON objects (hint: JSON.parse()).

Display the result (restaurant names using blms\_dba property of the json) in a dropdown list.

Progressive Part Practice Assignments

Difficulty: Easy

Accept the user input as date of birth and find his age. Based on his age, display his retirement age. Assume that the retirement age is 58 years.

Difficulty: Medium

Difficulty: Hard

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard

Whole Practice Assignment

Difficulty: Easy

Create a HTML form to accept user's name, date of birth, email id. Validate the age of the user and if the age is equal or above 18, allow the user to view a video. Else display error message that you are not eligible to play the video. Validate the email

Difficulty: Medium

Difficulty: Hard

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard

Difficulty: Easy

Difficulty: Medium

Difficulty: Hard