

JavaScript Tasks for Beginners

Aim: Study and Understand and Execute the code for the following tasks.

Imagine you are starting up a company or startup - so you need a website - and think about these tasks where you can make use of them. Don't simply copy-paste anything; think and create functions according to the requirements that your website will have. At last, add `print()` to save or print your entire page into a PDF.

Task 1

Define Variables in JavaScript

- Declare variables using `var`, `let`, and `const`.
- Assign values to variables and display them using `console.log()`.

Task 2

Create Basic Functions in JavaScript

- Define a function using function keyword and call it.
- Create arrow functions and understand the syntax.
- Use functions to perform simple mathematical operations like addition and subtraction.

Task 3

Use Built-in Functions

- Use `alert()` to display a message to the user.
- Use `prompt()` to take input from the user and display it back.
- Use `console.log()` to debug and print messages in the console.

Task 4

Manipulate HTML Content

- Use `document.getElementById()` to change the content of an HTML element.
- Create a button that changes the text of a paragraph when clicked.
- Use functions to dynamically add or remove content from the page.

Task 5

Style HTML Tags with JavaScript

- Change the color, font size, and background of an HTML element using JavaScript.
- Create a button that toggles between two styles for an element.
- Use inline styles to dynamically modify an element's appearance.

Task 6

Work with Events and Functions

- Add an onclick event to a button to execute a function.
- Use mouseover and mouseout events to change the style of an element.
- Display a message in the console when a form is submitted.

Task 7

Create Interactive Webpages

- Use `prompt()` to ask the user for their name and display a personalized greeting.
- Create a small form and use JavaScript to validate the input fields.
- Add a print button that triggers the browser's print dialog.