



Full-Stack Web Developer Training Program

Front-end Cohort - Angular Development

code  LABS
POWERED BY  codefi





Class 03

JavaScript Foundations

Part 2

Functions

Functions

- A JavaScript function is a block of code designed to perform a particular task. A JavaScript function is executed when "something" invokes it (calls it).

function Keyword

function Name

Parameters

```
function calcArea(width, height) {
```

```
  let result = width * height;
```

```
  return result;
```

```
};
```

Body of the function
Inside curly braces

Return Statement

Objects

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- A data structure that represents key-value pairs.

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```
let person = {  
  name: 'John',  
  age: 20  
};
```

Keys --- { } --- Values

Built-in Methods

Methods are functions that are associated with an object.

They are used to perform operations on the object.

Methods are defined in the object's class.

They are called on the object using the dot notation.

For example, the `len()` method is used to get the length of a string.

`len("hello")` returns `5`.

Methods are a key feature of Python's object-oriented programming.

They allow you to encapsulate data and behavior together.

Built-in Methods

- Built-in methods are methods provided for you by JavaScript

Built-in Methods

- Built-in methods are methods provided for you by JavaScript
 - There are built in methods for strings, objects, arrays, and more.

DOM Manipulation



DOM Manipulation

- DOM Manipulation is the process of modifying the elements on a website. This gives the developer ultimate flexibility.
 - Increase user interactivity
 - Manipulate the page how you see fit
 - Single Page Applications(The entire app all on one page, doesn't require SSR).
 - ect

DOM Manipulation demo

- <https://codepen.io/iamsurajsharma/pen/xWjbox>

Overview

- Functions - are defined reusable logic
- Objects - are data structures that make up key-value pairs
- Built-in methods - are already defined methods by JavaScript. Primarily are used to make development easier
- DOM manipulation - is the process of modifying the website(adding, editing,removing html elements)

Demo