**Default Parameters in JavaScript**

* **What are they?**
  + Default parameters allow you to specify a fallback value for function parameters.
  + If no value is provided for a parameter during a function call, the default value is used instead.
* **Syntax:**

JavaScript

function myFunction(param1 = defaultValue1, param2 = defaultValue2) {

// Function body

}

* **Example:**

JavaScript

function greet(name = 'User', message = 'Hello') {

console.log(`${message}, ${name}!`);

}

greet(); // Output: "Hello, User!"

greet('John'); // Output: "Hello, John!"

greet('Jane', 'Hi'); // Output: "Hi, Jane!"

* **Key Benefits:**
  + **Improved Code Readability:** Makes code more concise and easier to understand.
  + **Reduced Code Duplication:** Avoids the need for conditional checks to handle missing arguments.
  + **Enhanced Flexibility:** Provides more flexibility in how functions are called.
* **Important Notes:**
  + Default parameters are evaluated at function call time.
  + If undefined is explicitly passed as an argument, the default value will not be used.

JavaScript

function greet(name = 'User') {

console.log(`Hello, ${name}!`);

}

greet(undefined); // Output: "Hello, User!"

**In Summary**

Default parameters are a valuable feature in JavaScript that enhance code readability, maintainability, and flexibility. By using default parameters effectively, you can write more concise and robust functions.