

30_days_of_Javascript

Day 8: ES6+ Features

Tasks/Activities:

Activity 1: Template Literals

- **Task 1:** Use template literals to create a string that includes variables for a person's name and age, and log the string to the console.
- **Task 2:** Create a multi-line string using template literals and log it to the console.

Activity 2: Destructuring

- **Task 3:** Use array to extract the first and second elements from an array of numbers and log them to the console.
- **Task 4 :** Use object destructuring to extract the title and author from a book object and log them to the console.

Activity 3: Spread and Rest Operators

- **Task 5:** Use the spread operator to create a new array that includes all element's of an existing array plus additional elements, and log the new array to the console.
- **Task 6:** Use the rest operator in a function to accept an arbitrary number of arguments, sum them, and return the result.

Activity 4: Default

- **Task 7 :** Write a function that takes two parameters and returns their products, with the second parameter having a default value of 1. Log the result of calling this function with and without the second parameter.

Activity 5: Enhanced Object Literals

- **Task 8 :** Use enhanced object literals to create an object with methods and properties, and log the object to the console.
- **Task 9 :** Create an object with computed property names based on variables and log the object to the console.

Feature Request:

1. **Template Literals Script:** Write a script that demonstrates the use of template literals to create and log strings with embedded variables and multi-line strings .
2. **Destructuring Script:** Create a script that uses array and object destructuring to extract values and log them.
3. **Spread and Rest Operators Script:** Write a script that demonstrates the use of the spread operator to combine arrays and the rest operator to handle multiple function arguments.
4. **Default Parameters Script:** Create a script that defines a function with default parameters and logs the results of calling it with different arguments.
5. **Enhanced Object Literals Script:** Write a script that uses enhanced object literals to create and log an object with methods and computed property names.

Achievement:

By the end of these activities, students will:

- Understand and use template literals for string interpolation and multi-line strings.
- Apply destructuring to extract values from arrays and objects.
- Utilize spread and rest operators for array manipulation and function arguments.
- Define functions with default parameters.
- Create objects using enhanced object literals, including methods and computed property names.