

JavaScript Rest Parameters Assignment

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Assignment Overview:

This assignment explores the use of rest parameters in JavaScript, which allow functions to accept an indefinite number of arguments as an array. Understanding rest parameters enhances your ability to write flexible functions that can handle various inputs.

Objectives:

- Master the use of rest parameters in different contexts.
- Apply rest parameters in conjunction with other JavaScript features.
- Improve function handling for a variable number of arguments.

Tasks:

1. **Basic Rest Parameters**:

- Write a function `sumAll` that uses a rest parameter to take any number of arguments and returns their sum.
- Test this function with different numbers of arguments.

2. **Rest Parameters with Other Parameters**:

- Create a function `userInfo` that accepts a first name, last name, and a rest parameter for hobbies. The function should return an object containing the name (first and last combined) and an

JavaScript Rest Parameters Assignment

array of hobbies.

- Demonstrate this function with several examples.

Expected Output:

- Provide sample calls to each function with expected outputs.
- Discuss the versatility of rest parameters in handling inputs.

Submission Guidelines:

- Submit a JavaScript file containing your solutions for the tasks.
- Include comments to explain the use of rest parameters in each function.

Assessment Criteria:

- Correct implementation of rest parameters in various contexts.
- Ability to combine rest parameters with other JavaScript features effectively.
- Code readability and use of comments to guide the reader through your logic.

Rest parameters are a powerful feature for functions that need to operate on any number of arguments, making your JavaScript code more adaptable and concise.