

AI Assistant

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1 Project: Simple Math Utilities

1.1 Overview

Simple Math Utilities is a lightweight JavaScript library designed to provide basic arithmetic operations. It is easy to integrate and use for simple calculations.

1.2 Installation

To use Simple Math Utilities in your project, you can include the following script tag in your HTML file:

```
1 <script src="simple-math-utils.js"></script>
```

1.3 Usage

Once included, you can access the library's functions via the global `SimpleMath` object.

1.3.1 Functions

`add(a, b)`

Adds two numbers and returns the result.

- **Parameters:**
 - `a` (number): The first number.
 - `b` (number): The second number.
- **Returns:**
 - `number`: The sum of `a` and `b`.
- **Example:**

```
1 const sum = SimpleMath.add(5, 3);
```

```
2 console.log(sum); // Output: 8
```

subtract(a, b)

Subtracts the second number from the first and returns the result.

- **Parameters:**
 - a (number): The number from which to subtract.
 - b (number): The number to subtract.
- **Returns:**
 - number: The difference between a and b.
- **Example:**

```
1 const difference = SimpleMath.subtract(10, 4);  
2 console.log(difference); // Output: 6
```

multiply(a, b)

Multiplies two numbers and returns the result.

- **Parameters:**
 - a (number): The first number.
 - b (number): The second number.
- **Returns:**
 - number: The product of a and b.
- **Example:**

```
1 const product = SimpleMath.multiply(3, 4);  
2 console.log(product); // Output: 12
```

divide(a, b)

Divides the first number by the second and returns the result. Throws an error if the divisor is zero.

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- **Parameters:**
 - a (number): The dividend.
 - b (number): The divisor.
 - **Returns:**
 - number: The quotient of a divided by b.
 - **Throws:**
 - Error: If b is zero.
 - **Example:**

```
1 const quotient = SimpleMath.divide(20, 5);  
2 console.log(quotient); // Output: 4
```

1.4 License

This project is licensed under the MIT License.