DWA_03.4 Knowledge Check_DWA3.1

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1. Please show how you applied a Markdown File to a piece of your code.

```
// Usage example
const num1 = 5;
const num2 = 3;
const sum = addNumbers(num1, num2);
console.log(`The sum of ${num1} and ${num2} is ${sum}`);
```

Example JavaScript Code

```javascript
// This is a JavaScript function that calculates the sum of two numbers
function addNumbers(a, b) {
  return a + b;
}
```

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2. Please show how you applied JSDoc Comments to a piece of your code.

```
/**
 * Calculates the sum of two numbers.
 *
 * @param {number} a - The first number.
 * @param {number} b - The second number.
 * @returns {number} The sum of the two numbers.
 */
function addNumbers(a, b) {
  return a + b;
}
```

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3. Please show how you applied the @ts-check annotation to a piece of your code.

```
// @ts-check

/**
 * Calculates the sum of two numbers.
 *
 * @param {number} a - The first number.
 * @param {number} b - The second number.
 * @returns {number} The sum of the two numbers.
 */
function addNumbers(a, b) {
  return a + b;
}

// Usage example
const num1 = 5;
const num2 = 3;
const sum = addNumbers(num1, num2);
console.log(`The sum of ${num1} and ${num2} is ${sum}`);
```

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4. As a BONUS, please show how you applied any other concept covered in the 'Documentation' module.

```
/**
```

```
 * @fileOverview Provides utility functions for string manipulation.
 */

/**
 * Reverses a string.
 *
 * @param {string} str - The string to be reversed.
 * @returns {string} The reversed string.
 *
 * @example
 * const reversed = reverseString('Hello, world!');
 * console.log(reversed); // Outputs: "!dlrow ,olleH"
 */
function reverseString(str) {
  return str.split('').reverse().join('');
}
```

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