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.

```
##### JavaScript Function Code Snippet Example:

```javascript
// This code demonstrates a simple addition in JavaScript.
// Declare two variables

let num1 = 5;
let num2 = 10;

// Add the numbers
let sum = num1 + num2;

// Print the result
console.log(`The sum of ${num1} and ${num2} is ${sum}.`);
```
```

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

```
/**
 * A Student
 * @typedef {Object} Student
 * @property {number} id - student ID
 * @property {string} name - student name
 * @property {string|number} [age] - student age (optional)
 * @property {boolean} isActive - student is active
 */
```

```
/**
 * @type {Student}
 */

const student = {
    id: 123456789,
    name: 'Josh',
    age: 25,
    isActive: true
};
```

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

```
// @ts-check


/**
 * A Student
 * @typedef {Object} Student
 * @property {number} id - student ID
 * @property {string} name - student name
 * @property {string|number} [age] - student age (optional)
 * @property {boolean} isActive - student is active
 */


/**
 * @type {Student}
 */

const student = {
    id: 123456789,
    name: 'Josh',
```

```
    age: 25,
    isActive: true
};
```

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

```
/**
 * Represents a second student linked to the {@link Student} type.
 * @type {Student}
 */
const student2 = {
    id: 987654321,
    name: 'Emma',
    age: 23,
    isActive: false
};

console.log(student);
console.log(student2);
```

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