

# 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.

```
<!-- This code imports data from data.js file -->
```javascript
// Import from data.js
import { BOOKS_PER_PAGE, authors, genres, books } from './data.js';
```

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

```
/**
 * Event listener for the settings button click.
 * Opens the settings overlay.
 */
settingsButton.addEventListener('click', () => {
    settingsOverlay.showModal();
});
```

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

```
// @ts-check

// Import from data.js
import { BOOKS_PER_PAGE, authors, genres, books } from './data.js';

// data types from html
const getElement = (selector) => document.querySelector(selector);
```

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

```
/**
 * @typedef {Object} User
 * @property {string} username - The username of the user.
 * @property {string} email - The email address of the user.
 * @property {number} age - The age of the user.
 * @property {boolean} isActive - Indicates whether the user is currently active.
 */

/**
 * Function to send a message from one user to another.
 * @param {User} sender - The user who sends the message.
 * @param {User} receiver - The user who receives the message.
 * @param {string} message - The content of the message.
 */
function sendMessage(sender, receiver, message) {
    console.log(`Message sent from ${sender.username} to ${receiver.username}:
    "${message}"`);
}

// Example usage
const user1 = { username: "alice", email: "alice@example.com", age: 30, isActive: true };
const user2 = { username: "bob", email: "bob@example.com", age: 25, isActive: false };
```

```
sendMessage(user1, user2, "Hi Bob! How are you?");
```

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