

DWA_03.4 Knowledge Check_DWA3.1

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

Applying a Markdown File to Code:

Markdown files are commonly used for documentation. Let's say you have a JavaScript function that you want to document in a Markdown file. Here's an example of how you might do it:

```
## My JavaScript Function
```

This function does something useful.

```
```javascript
function myFunction(param1, param2) {
 // Code here
}
```

You can use Markdown to create headings, add descriptions, and include code snippets.

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

Applying JSDoc Comments to Code:

JSDoc comments are used to document JavaScript code. Here's an example of how you might use JSDoc comments to document a function:

```
/**
 * Adds two numbers together.
 *
 * @param {number} num1 - The first number to add.
 * @param {number} num2 - The second number to add.
 * @returns {number} The sum of the two numbers.
 */
function addNumbers(num1, num2) {
 return num1 + num2;
}
```

JSDoc comments provide information about the function, its parameters, and return values.

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

Applying the @ts-check Annotation to Code:

The @ts-check annotation is used with TypeScript to enable type checking in JavaScript files. Here's an example of how you might apply it:

```
// @ts-check
```

```
/**
 * Adds two numbers together.
```

```
*
* @param {number} num1 - The first number to add.
* @param {number} num2 - The second number to add.
* @returns {number} The sum of the two numbers.
*/
function addNumbers(num1, num2) {
 return num1 + num2;
}
```

By adding `// @ts-check` at the top of the file, you enable TypeScript type checking for JavaScript code.

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

Applying Other Documentation Concepts:

Another important documentation concept is creating README files for your projects. Here's an example of a simple README.md file for a JavaScript project:

```
My JavaScript Project
```

This is a brief description of my awesome JavaScript project.

```
Installation
```

Use the following command to install:  
`npm install my-javascript-project`

## ## Usage

```
``javascript
const myModule = require('my-javascript-project');
myModule.doSomething();
```

## Contributing

If you want to contribute to this project, please follow the contributing guidelines.

## License

This project is licensed under the MIT License - see the LICENSE.md file for details.

A README file helps users understand your project, how to install it, and how to contribute.

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