

# DWA\_03.4 Knowledge Check\_DWA3.1

---

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

\*This is a JavaScript function called `greet` that takes a parameter called `Tshegofatso`. When this function is called, it will print a greeting message to the console using the provided name(Tshegofatso). The name greeting message will be in the formant of "Hello, [Tshegofatso]!", where `[Tshegofatso]` is the value of the `name` parameter.

```
```\njavascript\nfunction greet(Tshegofatso) {\n  console.log(`Hello, ${Tshegofatso}!`);\n}
```

---

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

. JSDoc comments example:

```
```\njavascript\n\n/**\n * Calculates the area of a rectangle.\n * @param {number} width - The width of the rectangle.\n * @param {number} height - The height of the rectangle.\n * @returns {number} The area of the rectangle.\n */\n\nfunction calculateArea(width, height) {\n  return width * height;\n}
```

---

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

```
// @ts-check

/**
 * Represents a book.
 *
 * @typedef {object} Book
 * @property {string} title - The title of the book.
 * @property {string} author - The author of the book.
 * @property {number} year - The publication year of the book.
 */

/**
 * Retrieve a book by ID.
 *
 * @param {string} id - The ID of the book.
 * @returns {Book|null} The book with the specified ID, or null if not found.
 */

function getBookById(id) {
  // Implementation goes here
}
```

---

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

```
/**  
 * Calculates the area of a rectangle.  
 * @param {number} length - The length of the rectangle.  
 * @param {number} width - The width of the rectangle.  
 * @returns {number} The area of the rectangle.  
 */  
function calculateRectangleArea(length, width) {  
  return length * width;  
}
```

---