

DWA_03.4 Knowledge Check_DWA3.1

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

Function to create a book preview element

```
function createPreview({ author, id, image, title }) { const preview = document.createElement("button");
preview.classList.add("preview"); preview.setAttribute("data-preview", id);

preview.innerHTML =  <div class="preview__info">
<h3 class="preview__title">${title}</h3> <div class="preview__author">${authors[author]}
</div> </div> ;

preview.addEventListener("click", () => { const active = books.find((book) => book.id === id);

    if (!active) return;
```

The provided code defines a JavaScript function called createPreview to create and configure an HTML button element representing a preview for a book.

- It takes an object as an argument with properties author, id, image, and title.
- It creates a new button element and assigns it to the preview variable.
- It adds the CSS class "preview" to the button using classList.add("preview").
- It sets a custom attribute "data-preview" with the value of the id property on the button using setAttribute("data-preview", id).

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

```
const example = 3;

/**
 * The following concatenates a string and a number twice.
 * @param {number} 3 - The number to be added
 * @param {string} value - The string to be concatenated
 * @returns {string} - The concatenated string
 */
const value = "3";
console.log(value + 4 + value);
```

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

```
//@ts-check
/**
 * The following concatenates a string and a number twice.
 * @param {number} The number to be added
 * @param {string} value - The string to be concatenated
 * @returns {string} - The concatenated string
 */
const value = "3";
console.log(value + 4 + value);
```

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

Used inline comments on the below code.

```
//The following piece of code adds the number three to the code.
const value = "3";
//Console.log logs the information and adds three twice and concatenates the value.
console.log(value + 4 + value);
```
