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.

Initial variables

Below is a code snippet

```
let filteredBooks = books;
let curentPage = 1;
const previewRange = [0, BOOKS_PER_PAGE];
```

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

```
/**
 * Creates a book preview as a button element with the provided book information.
 * @param {Object} book - The book object containing details of the book.
 * @param {string} book.author - The ID of the book's author.
 * @param {string} book.id - The unique ID of the book.
 * @param {string} book.image - The URL of the book's cover image.
 * @param {string} book.title - The title of the book.
 * @returns {HTMLButtonElement} The generated button element representing the book
preview.
 */

export const createPreview = book => {
  const { author, id, image, title } = book;
  const element = document.createElement("button");
  element.className = "preview";
  element.dataset.preview = id;
  element.innerHTML = /* html */ `
```

```
        <img
                class="preview__image"
                src="${image}"
        />

        <div class="preview__info">
                <h3 class="preview__title">${title}</h3>
                <div class="preview__author">${authors[authorId]}</div>
        </div>
        `;
  return element;
};
```

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

The same code as above but just adding @ts-check to check that the data types we
pass in the function are correct else it will throw an error.

// @ts-check

/**
 * Creates a book preview as a button element with the provided book information.
 * @param {Object} book - The book object containing details of the book.
 * @param {string} book.author - The ID of the book's author.
 * @param {string} book.id - The unique ID of the book.
 * @param {string} book.image - The URL of the book's cover image.
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preview.
 */

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

Makes use of default @param value and @returns

```
/**
 * Adds the two values together
 * @param {number} a - The first number.
 * @param {number} [b=6] - The second number.
 * @returns {number} The calculated sum.
*/
const totalSum = (a,b = 6) => {
  return a + b;
}

console.log(totalSum(5));
```

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