

DWA_03.4 Knowledge Check_DWA3.1

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

```
1  ## Code Snippet
2
3  ```javascript
4  // Define a function to calculate the square of a number
5  function calculateSquare(num) {
6      return num * num;
7  }
8
9  // Call the calculateSquare function with an argument
10 const result = calculateSquare(5);
11
12 console.log(result);
```

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

```
1  /**
2   * Represents a person.
3   * @class
4   */
5  class Person {
6      /**
7       * Create a person.
8       * @constructor
9       * @param {string} name - The name of the person.
10      * @param {number} age - The age of the person.
11      */
12     constructor(name, age) {
13         this.name = name;
14         this.age = age;
15     }
16
17     /**
18      * Get the name of the person.
19      * @returns {string} The name of the person.
20      */
21     getName() {
22         return this.name;
23     }
24
25     /**
26      * Set the name of the person.
27      * @param {string} name - The new name of the person.
28      */
29     setName(name) {
30         this.name = name;
31     }
32
33     /**
34      * Get the age of the person.
35      * @returns {number} The age of the person.
36      */
37     getAge() {
38         return this.age;
```

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

```
1 // @ts-check
2
3 /**
4  * Represents a person.
5  * @class
6  */
7 class Person {
8     /**
9      * Create a person.
10     * @constructor
11     * @param {string} name - The name of the person.
12     * @param {number} age - The age of the person.
13     */
14     constructor(name, age) {
15         this.name = name;
16         this.age = age;
17     }
18
19     /**
20     * Get the name of the person.
21     * @returns {string} The name of the person.
22     */
23     getName() {
24         return this.name;
25     }
26
27     /**
28     * Set the name of the person.
29     * @param {string} name - The new name of the person.
30     */
31     setName(name) {
32         this.name = name;
33     }
34
35     /**
36     * Get the age of the person.
37     * @returns {number} The age of the person.
38     */
39 }
```

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

```
1  /**
2   * Represents a person.
3   * @class
4   */
5  class Person {
6      /**
7       * Create a person.
8       * @constructor
9       * @param {string} name - The name of the person.
10      * @param {number} age - The age of the person.
11      */
12      constructor(name, age) {
13          this.name = name;
14          this.age = age;
15      }
16
17      /**
18       * Get the name of the person.
19       * @returns {string} The name of the person.
20       */
21      getName() {
22          return this.name;
23      }
24
25      /**
26       * Set the name of the person.
27       * @param {string} name - The new name of the person
28       */
29      setName(name) {
30          // Update the name of the person
31          this.name = name;
32      }
33
34      /**
35       * Get the age of the person.
36       * @returns {number} The age of the person.
```

