

DWA_03.4 Knowledge Check_DWA3.1

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

```
markdown.md > # Computer Lab Facilitator (06/2021-01/2023) > ## Skills
1  # Computer Lab Facilitator (06/2021-01/2023)
2    Operating, troubleshooting and maintaining the
3    computer lab hardware, software, and peripheral equipment; training and supporting teachers and students by
4    responding to software questions; observe and control student behavior when in the computer lab in accordance
5    with approved policies and procedures.
6
7  ## Education
8
9    National Senior Certificate (Rhodesfield Technical High School)
10   N3-N5 Electrical Engineering (Ekurhuleni West Colleg)
11   Programming Fundamentals (CodeSpace)
12   TEFL Certificate (TeacherRecord)
13   <ul>Marketing In A Digital World (Coursera)
14
15  ## Skills
16
17   - HTML
18   - Microsoft Word
19   - Excel
20   - Powerpoint
21   - ProficientTyper
22   - JAVASCRIPT
23   - CSS"
24
25  ⚠
26  [Contact Me](https://formsuubmit.co/t.ramanyimi@lab.clicklearning.org).
27
```

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

```

JS jsdoccomments.js > ...
1  /*
2  const nickname= "Timmy";
3  const firstname = "Timothy";
4
5
6  console.log(`Good Morning, ${nickname || firstname}!`)
7
8  */
9
10 //JSDOC starts here
11 /**
12  * Represents a nickname used for greeting.
13  * @type {string}
14  */
15 const nickname = "Timmy";
16
17 /**
18  * Represents the first name used for greeting.
19  * @type {string}
20  */
21 const firstname = "Timothy";
22
23 /**
24  * Prints a greeting message in the console.
25  * If a nickname is provided, it will be used. Otherwise, the first name will be used.
26  * @param {string} nickname - The nickname to use in the greeting.
27  * @param {string} firstname - The first name to use in the greeting if nickname is not available.
28  */
29 console.log(`Good Morning, ${nickname || firstname}!`);

```

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

TypeScript type-checking, it will report an error since we are trying to add a number and a string, which is not valid. TypeScript will catch this type error during the type-checking process and help you identify potential issues in your code.

```

JS ts-check.js > ...
1  // @ts-check
2
3  /**
4  * Description of the function.
5  * @param {number} a - The first number.
6  * @param {number} b - The second number.
7  * @returns {number} The sum of a and b.
8  */
9  function addNumbers(a, b) {
10     return a + b;
11 }
12
13 const result = addNumbers(5, 'hello'); // Type-checking will catch the error here
14 console.log(result);
15

```

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