

DWA_03.4 Knowledge Check_DWA3.1

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

README.md can be viewed at:

https://github.com/SoftDevLiz/LIEMOU183_PTO2306_GROUPA_Liezl_Mouton_IWA2

Snippet:

The screenshot displays a CodeSpace environment. On the left, a code editor shows a README.md file with the following content:

```
0 README.md > # CodeSpace IWA_02 Challenges 1-3 > ## ★ IWA_2.4 Challenge 1
1 <!-- omit in toc -->
2 # CodeSpace IWA_02 Challenges 1-3
3
4 This is my repo for the IWA_02 challenge solutions (1-3) for
5 [CodeSpace](https://www.codespace.co.za/)
6
7 **Student number:** LIEMOU183_PTO2306_GROUPA_Liezl_Mouton_IWA2
8
9 My [LinkedIn](https://www.linkedin.com/in/liezl_mouton/)
10
11 <!-- omit in toc -->
12 ## Table of Contents
13
14 Table of Contents (up to date)
15 - [★ IWA_2.4 Challenge 1](#iwa_24-challenge-1)
16 - [★ IWA_2.4 Challenge 2](#iwa_24-challenge-2)
17 - [★ IWA_2.4 Challenge 3](#iwa_24-challenge-3)
18 - [:blue_heart: Conclusion](#blue_heart-conclusion)
19
20 ## ★ IWA_2.4 Challenge 1
21
22 <!-- omit in toc -->
23 ### Challenge
24
25 I was given the challenge to correct the following code:
26
27 ---
28 /* This is the firstname of the user */
29 const user = 'John'
30
31 /* This is the lastname of the user */ const surname = 'Smith'
32
33 console.log(user; surname;)
34
35 ---
```

On the right, the CodeSpace interface shows the title "CodeSpace IWA_02 Challenges 1-3" and a description: "This is my repo for the IWA_02 challenge solutions (1-3) for CodeSpace". Below this, it displays the student number: "Student number: LIEMOU183_PTO2306_GROUPA_Liezl_Mouton_IWA2" and a link to the user's LinkedIn profile. A "Table of Contents" section lists the challenges and conclusion. The "Challenge" section shows the code snippet that needs to be corrected:

```
/* This is the firstname of the user */
const user = 'John'

/* This is the lastname of the user */ const surname = 'Smith'

console.log(user; surname;)
```

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

Q for Elsabe: How do I create a JSDoc typedef
Of an object that has sub objects?

```
/**
 * @typedef {object} expenses - An object containing a list of expenses
 * @property {number} food - Food as an expense, strictly a numerical amount
 * @property {number} transport - Transport as an expense, strictly a numerical amount
 */

/** @type {expenses} */
const expenses = {
  food: 51.7501,
  transport: 10.2,
};
```

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

Without errors:

```
JS scripts.js > [🔍] expenses
1  // @ts-check
2
3  const salary = 4000;
4  const lodging = "apartment";
5  const size = "large";
6
7  // Only change the syntax below (not the values or key names)
8
9  /**
10 * @typedef {object} expenses - An object containing a list of expenses
11 * @property {number} food - Food as an expense, strictly a numerical amount
12 * @property {number} transport - Transport as an expense, strictly a numerical amount
13 */
14
15 /** @type {expenses} */
16 const expenses = {
17   food: 51.7501,
18   transport: 10.2,
19 };

```

With errors:

```
JS scripts.js > [🔍] expenses > [🔍] foo
1  // @ts-check
2
3  const salary = 4000;
4  const lodging = "apartment";
5  const size = "large";
6
7  // Only change the syntax below (not the values or key names)
8
9  /**
10 * @typedef {object} expenses - An object containing a list of expenses
11 * @property {number} food - Food as an expense, strictly a numerical amount
12 *
13 * Object literal may only specify known properties, but 'foo' does not exist in type 'expenses'. Did you mean to write 'food'?
14 * ts(2561)
15 */
16
17 (property) foo: number
18
19 View Problem (Alt+F8) Quick Fix... (Ctrl+.)
20 foo: 51.7501,
21 transport: 10.2,
22 };
23
24

```

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

I explored created actual JSDoc documentation

Global

Members

(constant) expenses :expenses

Type:

- expenses

Source: [scripts.js, line 16](#)

Type Definitions

expenses

An object containing a list of expenses

Type:

- object

Properties:

Name	Type	Description
food	number	Food as an expense, strictly a numerical amount
transport	number	Transport as an expense, strictly a numerical amount

Source: [scripts.js, line 9](#)
