

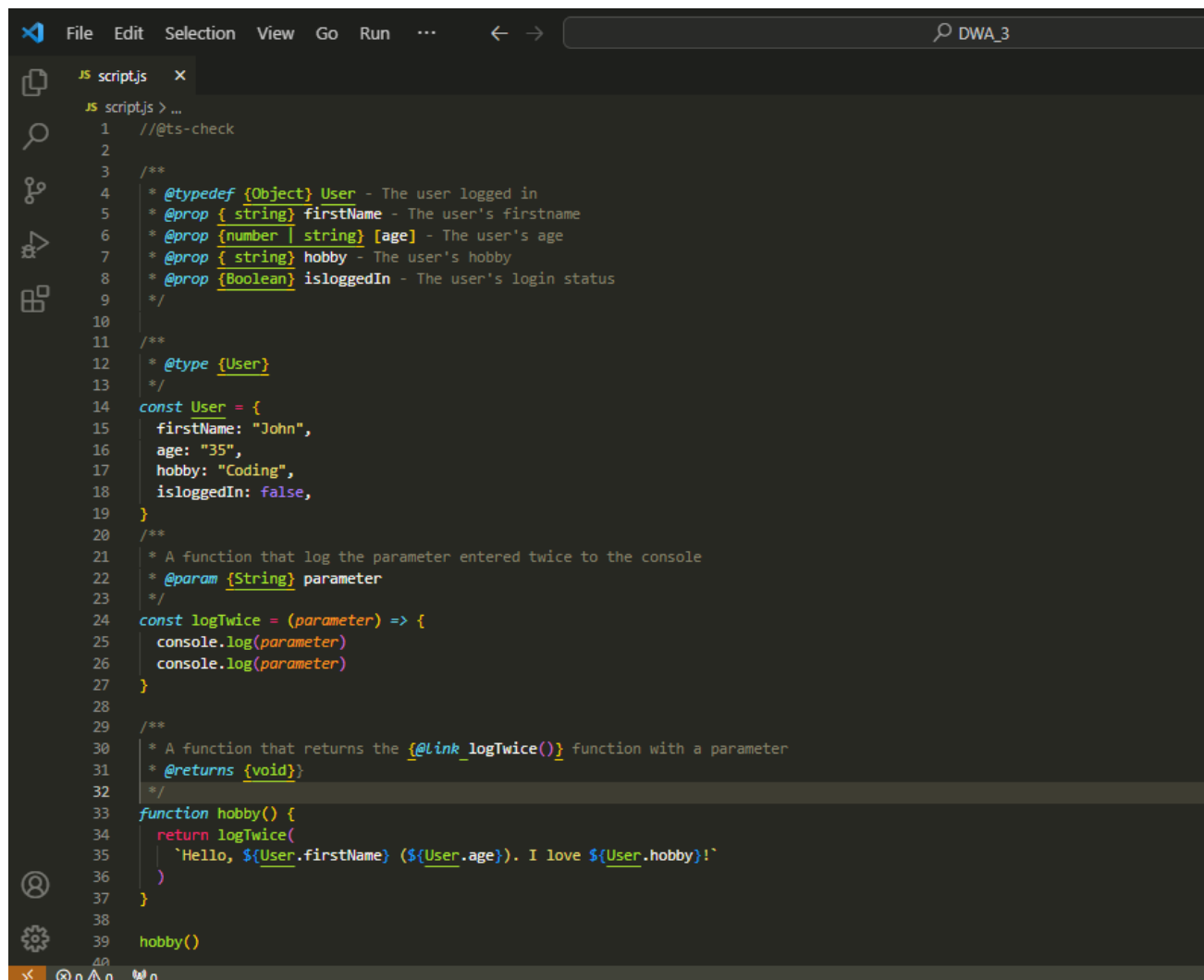
# DWA\_03.4 Knowledge Check\_DWA3.1

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

<https://www.loom.com/share/d061545225954a3d9e0297e4483acf9b?sid=204ec794-756d-4565-8ec2-f7b7fd8882f6>

Link to a short loom video of my markdown file and its preview.

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



```
JS script.js x
JS script.js > ...
1 // @ts-check
2
3 /**
4  * @typedef {Object} User - The user logged in
5  * @prop {string} firstName - The user's firstname
6  * @prop {number | string} age - The user's age
7  * @prop {string} hobby - The user's hobby
8  * @prop {Boolean} isLoggedIn - The user's login status
9  */
10
11 /**
12  * @type {User}
13  */
14 const User = {
15   firstName: "John",
16   age: "35",
17   hobby: "Coding",
18   isLoggedIn: false,
19 }
20
21 /**
22  * A function that log the parameter entered twice to the console
23  * @param {String} parameter
24  */
25 const logTwice = (parameter) => {
26   console.log(parameter)
27   console.log(parameter)
28 }
29
30 /**
31  * A function that returns the {@link logTwice()} function with a parameter
32  * @returns {void}
33  */
34 function hobby() {
35   return logTwice(
36     `Hello, ${User.firstName} (${User.age}). I love ${User.hobby}!`
37   )
38 }
39
40 hobby()
```

- I used a piece of code from IWA-14 challenge 1.
- I used JSDOC @typedef to create a custom type.
- An object that uses the custom type.
- I used JSDOC comments for the two functions.

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

```
1 // @ts-check
2
3 /**
4  * @typedef {Object} User - The user logged in
5  * @property {string} firstName - The user's first name
6  * @property {string} age - The user's age
7  * @property {string} hobby - The user's hobby
8  * @property {boolean} isLoggedIn - Whether the user is logged in
9  */
10
11 /**
12  * @type {User}
13  */
14 const User = {
15   age: "35",
16   hobby: "Coding",
17   isLoggedIn: false,
18 }
19
20 /**
21  * A function that log the parameter entered twice to the console
22  * @param {String} parameter
23  */
24 const logTwice = (parameter) => {
25   console.log(parameter)
26   console.log(parameter)
27 }
28
29 /**
30  * A function that returns the {@Link logTwice()} function with a parameter
31  * @returns {void}
32  */
33 function hobby() {
34   return logTwice(
35     `Hello, ${User.firstName} (${User.age}). I love ${User.hobby}!`
36   )
37 }
38
39 hobby()
```

Property 'firstName' is missing in type '{ age: string; hobby: string; isLoggedIn: false; }' but required in type 'User'. ts(2741)

script.js(5, 4): 'firstName' is declared here.

When I omitted the first property of the object I got an error because I had static type checking in my file (// @ts-check)

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

I used {@link} to point to a different function in my script.

```
/**
 * A function that log the parameter entered twice to the console
 * @param {String} parameter
 */
const logTwice = (parameter) => {
  console.log(parameter)
  console.log(parameter)
}

/**
 * A function that returns the {@link logTwice()} function with a parameter
 * @returns {void}
 */
function hobby() {
  return logTwice(
    `Hello, ${User.firstName} (${User.age}). I love ${User.hobby}!`
  )
}

hobby()
```

