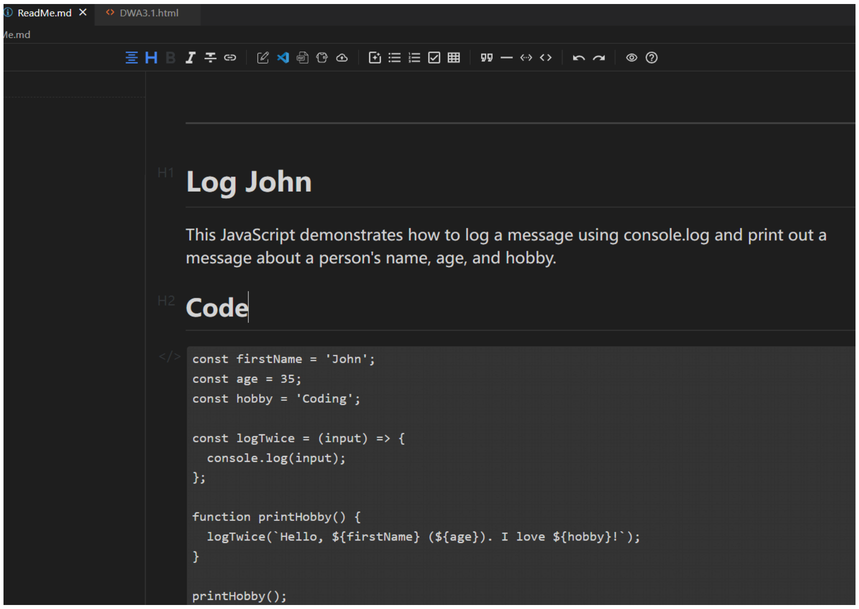
DWA_03.4 Knowledge Check_DWA3.1

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



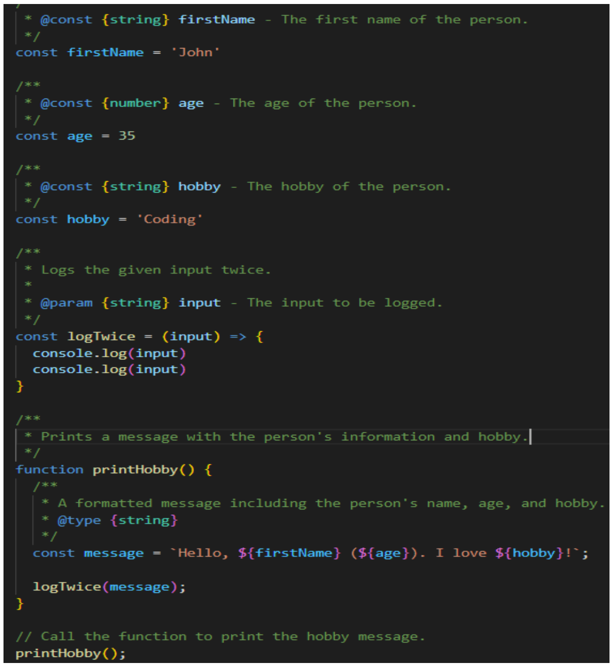
Log John

This JavaScript demonstrates how to log a message using console.log and print out a message about a person's name, age, and hobby.

Code

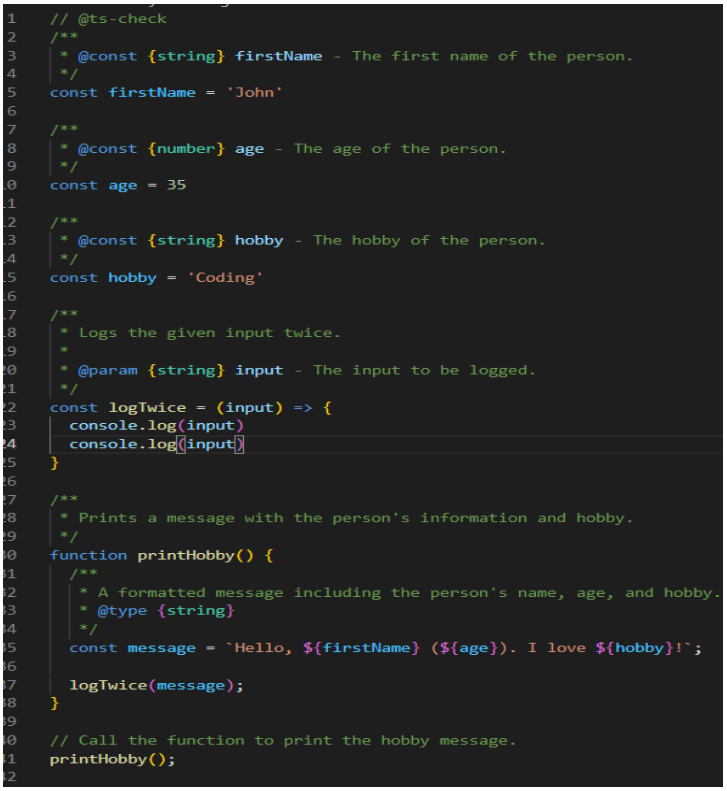
```
const firstName = 'John';
const age = 35;
const hobby = 'Coding';

const logTwice = (input) => {
  console.log(input);
};

function printHobby() {
  logTwice(`Hello, ${firstName} (${age}). I love ${hobby}!`);
}

printHobby();
```

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



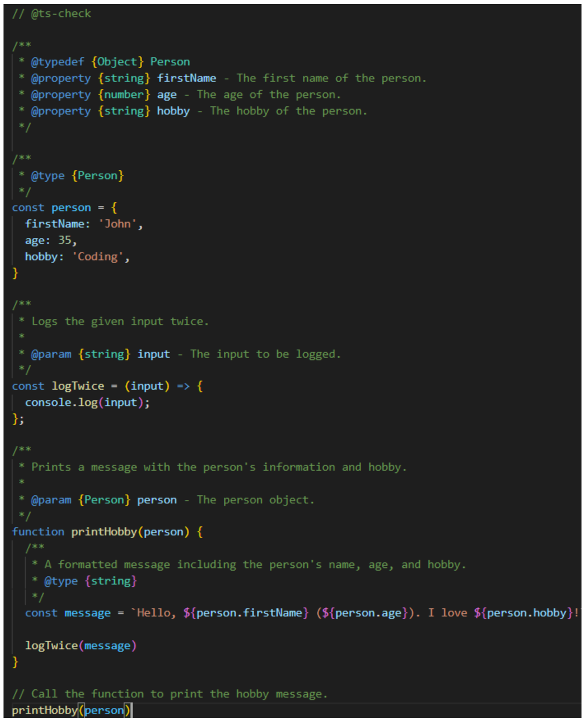
```
 * @const {string} firstName - The first name of the person.
 */
const firstName = 'John'

/**
 * @const {number} age - The age of the person.
 */
const age = 35

/**
 * @const {string} hobby - The hobby of the person.
 */
const hobby = 'Coding'

/**
 * Logs the given input twice.
 *
 * @param {string} input - The input to be logged.
 */
const logTwice = (input) => {
  console.log(input)
  console.log(input)
}

/**
 * Prints a message with the person's information and hobby.
 */
function printHobby() {
  /**
   * A formatted message including the person's name, age, and hobby.
   * @type {string}
   */
  const message = `Hello, ${firstName} (${age}). I love ${hobby}!`;

  logTwice(message);
}

// Call the function to print the hobby message.
printHobby();
```

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



```
// @ts-check
/**
 * @const {string} firstName - The first name of the person.
 */
const firstName = 'John'

/**
 * @const {number} age - The age of the person.
 */
const age = 35

/**
 * @const {string} hobby - The hobby of the person.
 */
const hobby = 'Coding'

/**
 * Logs the given input twice.
 *
 * @param {string} input - The input to be logged.
 */
const logTwice = (input) => {
  console.log(input)
  console.log(input)
}

/**
 * Prints a message with the person's information and hobby.
 */
function printHobby() {
  /**
   * A formatted message including the person's name, age, and hobby.
   * @type {string}
   */
  const message = `Hello, ${firstName} (${age}). I love ${hobby}!`;

  logTwice(message);
}

// Call the function to print the hobby message.
printHobby();
```

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



```javascript
// @ts-check

/**
 * @typedef {Object} Person
 * @property {string} firstName - The first name of the person.
 * @property {number} age - The age of the person.
 * @property {string} hobby - The hobby of the person.
 */

/**
 * @type {Person}
 */
const person = {
  firstName: 'John',
  age: 35,
  hobby: 'Coding',
}

/**
 * Logs the given input twice.
 *
 * @param {string} input - The input to be logged.
 */
const logTwice = (input) => {
  console.log(input);
};

/**
 * Prints a message with the person's information and hobby.
 *
 * @param {Person} person - The person object.
 */
function printHobby(person) {
  /**
   * A formatted message including the person's name, age, and hobby.
   * @type {string}
   */
  const message = `Hello, ${person.firstName} (${person.age}). I love ${person.hobby}!

  logTwice(message)
}

// Call the function to print the hobby message.
printHobby(person)
```