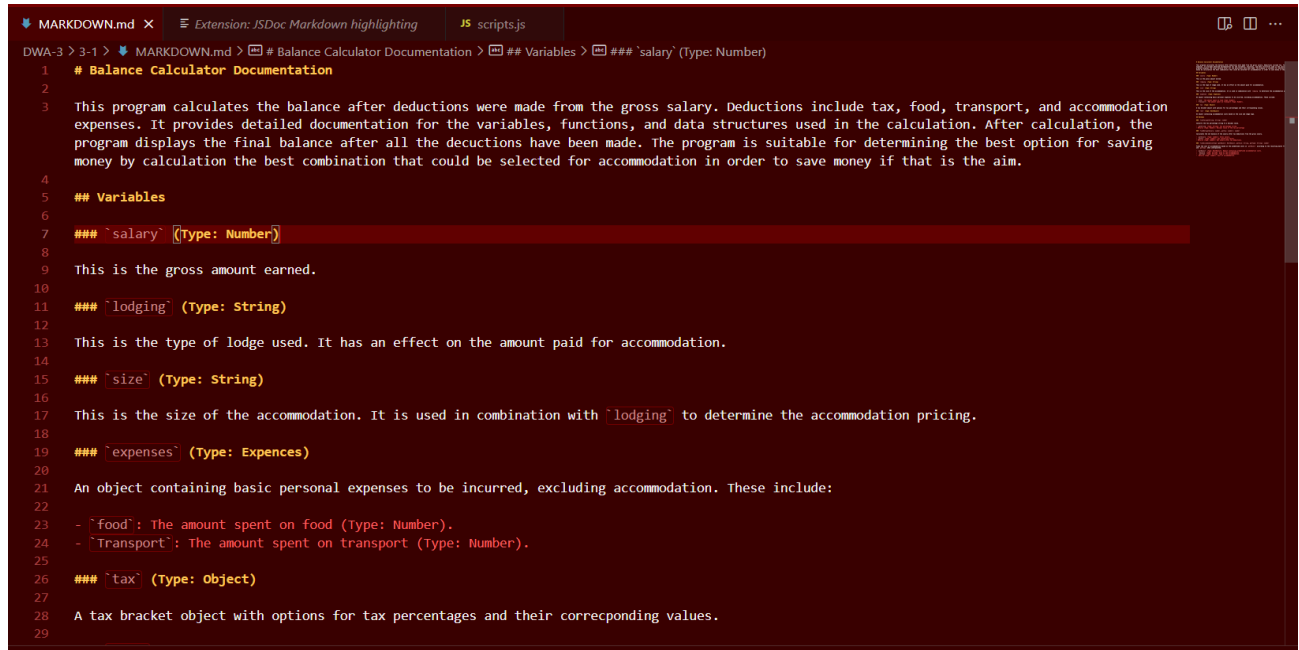


DWA_03.4 Knowledge Check_DWA3.1

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



The screenshot shows a code editor with a file named 'MARKDOWN.md' open. The editor has a dark theme and a sidebar on the right showing a file tree. The main content area displays the following Markdown text:

```
1  # Balance Calculator Documentation
2
3  This program calculates the balance after deductions were made from the gross salary. Deductions include tax, food, transport, and accommodation
4  expenses. It provides detailed documentation for the variables, functions, and data structures used in the calculation. After calculation, the
5  program displays the final balance after all the deductions have been made. The program is suitable for determining the best option for saving
6  money by calculation the best combination that could be selected for accommodation in order to save money if that is the aim.
7
8  ## Variables
9
10  ### `salary` (Type: Number)
11
12  This is the gross amount earned.
13
14  ### `lodging` (Type: String)
15
16  This is the type of lodge used. It has an effect on the amount paid for accommodation.
17
18  ### `size` (Type: String)
19
20  This is the size of the accommodation. It is used in combination with `lodging` to determine the accommodation pricing.
21
22  ### `expenses` (Type: Expenses)
23
24  An object containing basic personal expenses to be incurred, excluding accommodation. These include:
25
26  - `food`: The amount spent on food (Type: Number).
27  - `transport`: The amount spent on transport (Type: Number).
28
29  ### `tax` (Type: Object)
30
31  A tax bracket object with options for tax percentages and their corresponding values.
```

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

```

1 // @ts-check
2
3 /**
4  * this is the gross amount one earns.
5  * @type { number } salary
6  */
7 const salary = 4000;
8
9 /**
10  * This is the type of the lodge used and it has an effect on the price being
11  * paid for an accommodation.
12  * @type { string } lodge
13  */
14 const lodging = 'house'
15
16 /**
17  * this is the size of the accommodation used, and is coupled with
18  * {@link lodging} to determine the price that would be paid for an
19  * accommodation
20  * @type { string } size
21  */
22 const size = 'small'
23
24
25 // Only change the syntax below (not the values or key names)
26 /**
27  * This is object that contains the list of expences to be incured by a person
28  * and their values
29  * @typedef { Object } Expences
30  * @property { number } food - Amount the will be spent on food
31  * @property { number } transport - Amount the will be spent on transport
32  */

```

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

Please view the image in point 2.

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