DWA_03.4 Knowledge Check_DWA3.1

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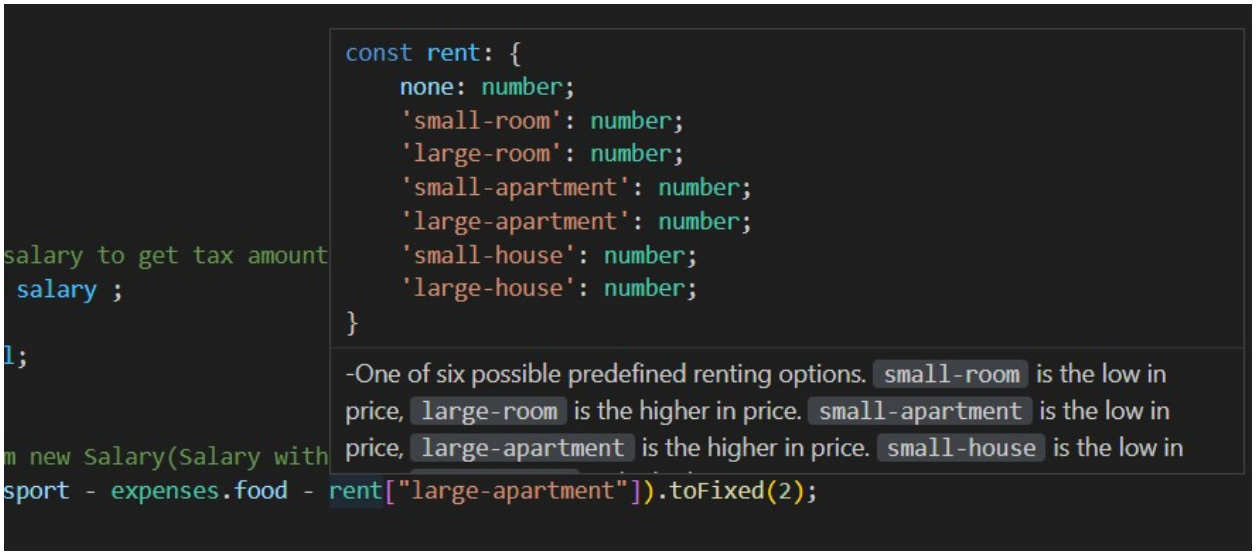
1. Please show how you applied a Markdown File to a piece of your code.
Code is from IWA-9

```
/**
 * @typedef {'small-room' | 'large-room'
|'small-apartment'|'large-apartment'| 'small-house'|'large-house'} rent
-One of six possible
 * predefined renting options.
 * `small-room` is the low in price, `large-room` is the higher in price.
 * `small-apartment` is the low in price, `large-apartment` is the higher
in price.
 * `small-house` is the low in price, `large-house` is the higher in
price.
 */
```

```
const rent = {
    none: 0,
    'small-room': 200,
    'large-room': 300,
    'small-apartment': 400,
    'large-apartment': 800,
    'small-house': 1200,
    'large-house': 2400,
}
```

```
const balance = (startingAfterTax - expenses.transport - expenses.food -
rent["large-apartment"]).toFixed(2);
```

-When we hover over rent we get options of renting available



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

```
/**
 * Calculates the sum of two numbers.
 *
 * @param {number} num1 - The first number.
 * @param {number} num2 - The second number.
 * @returns {number} The sum of the two numbers.
 */
const sum = (num1, num2) => num1 + num2;
```

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3. Please show how you applied the @ts-check annotation to a piece of your code.
@ts-check on top of the file vs-code checks for problems and will give warning.
It prevents errors and spelling mistakes.

```
// @ts-check
/**
 * @param {number} a
 * @param {number} b
```

```
 * @returns {number}
 */

const sum = (num1, num2) => num1 + num2;

  const result = sum(5, "10"); // Type error: Argument of type '"10"' is
not assignable to parameter of type 'number'.
  console.log(result);
```

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

```
/**
 * @typedef {object} expenses
 * @prop {double} food
 * @prop {double} transport
 */
const expenses = {
    food: 51.7501,
    transport:  10.2,
}
```
