

DWA_03.4 Knowledge Check_DWA3.1

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

Readme.md

IWA_8.2: Challenge 1

Variables are given and must be used to create two objects named `leo` and `sarah`. Both the new `leo` and `sarah` objects should be logged in the browser console, followed by their respective postal codes.

Variables given:

- `leoName`
- `leoSurname`
- `leoBalance`
- `leoNumber`
- `leoStreet`
- `leoPostal`
- `sarahName`
- `sarahSurname`
- `sarahBalance`
- `sarahNumber`
- `sarahStreet`
- `sarahPostal`

Note that the new objects should have a nested `address` object that contains all address-specific information, i.e. street name, house number and postal code. Also, note that all values in the object should be reassigned from the variables at the top of the file. The only exception is the new `age` value that is added to the object. In the latter, we assign a value directly when declaring the object.

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

```
//Leo Musvaire details

/**
 * a person's firstname
 * @type {string}
 */
const leoName = 'Leo'

/**
 * a person's lastname
 * @type {string}
 */
const leoSurname = 'Musvaire'

/**
 * a person's balance
 * @type {number | string}
 */
const leoBalance = '-10'

/**
 * a person's street number
 * @type {number | string}
 */
const leoNumber = '2'

/**
 * a person's street name
 * @type {string}
 */
const leoStreet = 'Church St.'

/**
 * a person's city postal code
 * @type {number | string}
 */
const leoPostal = '3105'

// Sarah Kleinhans details

/**
 * a person's firstname
 * @type {string}
 */
const sarahName = 'Sarah'

/**
 * a person's lastname
 * @type {string}
 */
const sarahSurname = 'Kleinhans'

/**
 * a person's balance
 * @type {number | string}
 */
const sarahBalance = '-4582.21'

/**
 * a person's street number
 * @type {number | string}
 */
const sarahNumber = '13'

/**
 * a person's street name
 * @type {string}
 */
const sarahStreet = 'William Close'

/**
 * a person's city postal code
 * @type {number | string}
 */
const sarahPostal = '0310'
```

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

```
//@ts-check

//Leo Musvaire details

/**
 * a person's firstname
 * @type {string}
 */
const leoSurname: string = 'Musvaire'

/**
 * a person's lastname
 * @type {string}
 */
const leoSurname = 10

/**
 * a person's balance
 * @type {number | string}
 */
const leoBalance = '-10'

/**
 * a person's street number
 * @type {number | string}
 */
const leoNumber = '2'

/**
 * a person's street name
 * @type {string}
 */
const leoStreet = 'Church St.'
```

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

```
/**
 * A Person
 * @typedef {Object} Person
 * @property {number|string} accessId - person access ID
 * @property {string} name - person name
 * @property {number|string} balance - person balance
 * @property {number} [age] - person age (optional)
 * @property {{number: number|string, street: string, postalCode: number | string}} address - person adress
 */

/**
 * person one
 * @type {Person}
 */

const leo = {
  accessId : '47afb389-8014-4d0b-aff3-e40203d2107f',
  name : `${leoName} ${leoSurname}`,
  balance : leoBalance,
  age : 24,
  address : {
    number : leoNumber,
    street : leoStreet,
    postalCode : leoPostal
  }
}

/**
 * person two
 * @type {Person}
 */

const sarah = {
  accessId : '6b279ae5-5657-4240-80e9-23f6b635f7a8',
  name : `${sarahName} ${sarahSurname}`,
  balance : sarahBalance,
  age : 62,
  address : {
    number : sarahNumber,
    street : sarahStreet,
    postalCode : sarahPostal
  }
}
```
