DWA_03.4 Knowledge Check_DWA3.1

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

```
JS script.js  3       readme.md  ×

DWA_3.2 >  readme.md >  # A athlete race details app >  ## authors
  1    # A athlete race details app
  2    ## table of contents
       Table of Contents (up to date)
  3    - [A athlete race details app](#a-athlete-race-details-app)
  4      - [table of contents](#table-of-contents)
  5      - [features](#features)
  6      - [requirement](#requirement)
  7      - [intructions](#intructions)
  8      - [authors](#authors)
  9
 10    ## features
 11    * shows the atheletes name
 12    * fastest race time
 13    * most recent race and date of the given race
 14    * total races done by each athlete
 15    * athlete ID issued
 16
 17    ## requirement
 18    * have an IDE program such as VS studio
 19    [VS studio](https://visualstudio.microsoft.com/)
 20      ![image](./IWA16/images/VS%20studio%20download.png)
 21    * have access to github to access the file
 22      [Github](https://github.com/Bruyns/DWA_3.git)
 23      ![image](./IWA16/images/github%20clone%20link.png)
 24    * A internet browser to view the HTML i.e chrome, Edge, mozilla firefox, Opera
 25    * a computer running any compatible OS i.e Mac, windows(7-11), Linux, Ubuntu
 26    * an understanding of basic scripting language (HTML, CSS, JavaScript)
 27
 28    ## intructions
 29    * clone github from either github, vs studio or github desktop
 30    * open file in vs studio and locate the index.html file on the left
 31    * open index.html, right click on code and start "open live server"
 32    * it should open your browser and display the complete file
 33
 34    ## authors
 35    * Brandon Bruyns
 36      - [LinkedIn](https://www.linkedin.com/in/brandon-bruyns-411405261?
         lipi=urn%3Ali%3Apage%3Ad_flagship3_profile_view_base_contact_details%3BVVx%2FAQG5S1eM3hsiNpvGZw
         %3D%3D)
 37      - [Github](https://github.com/account)
 38      - [Email-Address](brandon.bruyns7@gmail.com)
 39
```

A athlete race details app

table of contents

features

- shows the atheletes name
- fastest race time
- most recent race and date of the given race
- total races done by each athlete
- athlete ID issued

requirement

- have an IDE program such as VS studio VS studio

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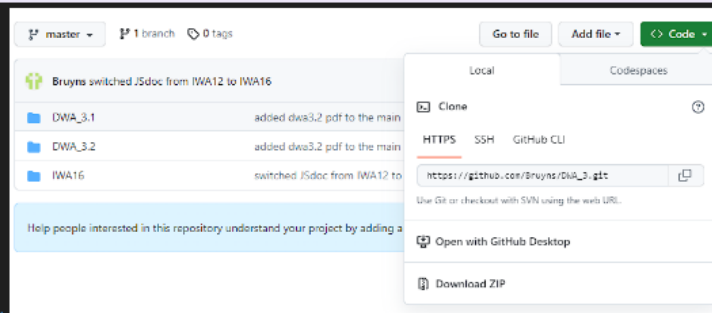
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⑂ master ⌄   ⑂ 1 branch   ⓢ 0 tags   Go to file   Add file ⌄   <> Code ⌄

| | Local | Codespaces |

⚘ Bruyns switched JSdoc from IWA12 to IWA16

📁 DWA_3.1	added dwa3.2 pdf to the main	⌂ Clone ⓘ
📁 DWA_3.2	added dwa3.2 pdf to the main	**HTTPS** SSH GitHub CLI
📁 IWA16	switched JSdoc from IWA12 to	https://github.com/Bruyns/DWA_3.git ⧉

Use Git or checkout with SVN using the web URL.

Help people interested in this repository understand your project by adding a

⊡ Open with GitHub Desktop

🗋 Download ZIP

- have access to github to access the file Github
- A internet browser to view the HTML i.e chrome, Edge, mozilla firefox, Opera
- a computer running any compatible OS i.e Mac, windows(7-11), Linux, Ubuntu
- an understanding of basic scripting language (HTML, CSS, JavaScript)

intructions

- clone github from either github, vs studio or github desktop
- open file in vs studio and locate the index.html file on the left
- open index.html, right click on code and start "open live server"
- it should open your browser and display the complete file

authors

- Brandon Bruyns
  - LinkedIn
  - Github
  - Email-Address

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

```javascript
// @ts-check

/**
 * @type {Array<string>} MONTHS - has all the months used to evaluate the athletes
 */
const MONTHS = [
    'Jan',
    'Feb',
    'Mar',
    'Apr',
    'May',
    'Jun',
    'Jul',
    'Aug',
    'Sep',
    'Oct',
    'Nov',
    'Dec',
]

/**
 * an object containing all the data of the atheletes competing in the races
 * @typedef {object} data - the main object storing all the athlete information
 * property {object} data -main object
 * @property {object} response - a nested object containing child objects
 * @property {string} requestType - when searching for athelete data
 * @property {string} requestBy - when searching athletes with similar data
 * @property {string} forDisplay - which races should be visible on the webpage
 * @property {string} firstName - name of the athelete
 * @property {string} surname - surname of the athlete
 * @property {string} id - the given ID to each athlete
 * @property {{date: string , time: Array<number>}} races - details of each race ran by the athletes
 */

/**
 * @type {data}
 */
const data = {
    response: {
        requestType: "FETCH_ATHLETE_DATA",
        requestBy: "ALL_MATCHING_ATHLETES",
        forDisplay: "BEST_RACES",
        data: {
            NM372: {
                firstName: "Nwabisa",
                surname: "Masiko",
                id: "NM372",
                races: [
                    {
                        date: '2022-11-18T20:00:00.000Z',
                        time: [9, 7, 8, 6],
```

_____

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

_____

```
// @ts-check

/**
 * @                                                                    uate the athletes
 */       Type 'boolean' is not assignable to type 'string'. ts(2322)
cons   View Problem (Alt+F8)    Quick Fix... (Ctrl+.)
       true,
       'Feb',
       'Mar',
       'Apr',
       'May',
       'Jun',
       'Jul',
       'Aug',
       'Sep',
       'Oct',
       'Nov',
       'Dec',

]
```

_____

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

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