DWA_03.4 Knowledge Check_DWA3.1
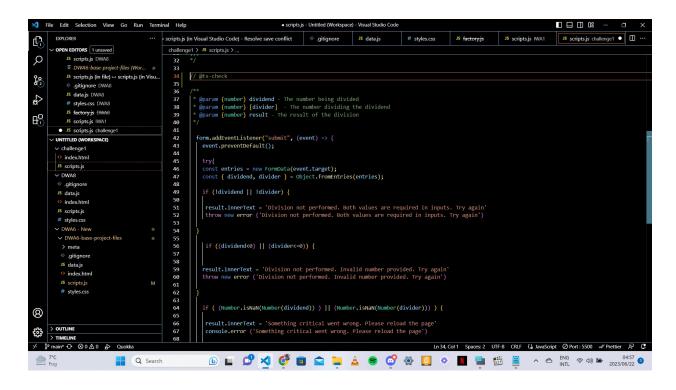
---

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

```
IWA1 > ⓘ README.md
  1    Tally Count App
  2
  3    This app is designed to be a simple counting, that goes up and down in
  4    increments of 5. It's simple and straightforward, and should be seen as a
  5    beginner excercise. It's an example of how to use JavaScript in order to add
  6    interactivity to your app.
  7
  8    Features:
  9
 10    - Simple and user-friendly
 11    - Fun excercise
 12    - Minimal functionality
 13
 14    What you'll need:
 15
 16    - An IDE, like Visual Studio Code (https://code.visualstudio.com/)
 17    - Basic HTML, CSS, and JavaScript Skills (https://www.freecodecamp.org/learn/)
 18    - A browser, like Microsoft Edge (https://www.microsoft.com/en-us/edge/download?form=MA13FJ)
 19
 20    Getting Started:
 21
 22    Follow along with this video: https://www.youtube.com/watch?v=kG6hCw9mIFQ&t=349s
 23
```

---

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

```javascript
/**
 * @param {number} dividend - The number being divided
 * @param {number} [divider]  - The number dividing the dividend
 * @param {number} result - The result of the division
 */

  form.addEventListener("submit", (event) => {
    event.preventDefault();

    try{
    const entries = new FormData(event.target);
    const { dividend, divider } = Object.fromEntries(entries);

    if (!dividend || !divider) {

      result.innerText = 'Division not performed. Both values are required in inputs. Try again'
      throw new error ('Division not performed. Both values are required in inputs. Try again')

  }

    if ((dividend<0) || (divider<=0)) {


      result.innerText = 'Division not performed. Invalid number provided. Try again'
      throw new error ('Division not performed. Invalid number provided. Try again')

  }

    if ( (Number.isNaN(Number(dividend)) ) || (Number.isNaN(Number(divider))) ) {

      result.innerText = 'Something critical went wrong. Please reload the page'
      console.error ('Something critical went wrong. Please reload the page')

    }

    result.innerText = Math.floor(dividend / divider);
```

_____

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

_____

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

_____