# 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.

// app.js

/**
* Add two numbers.
*@param{number} a - The first number.
*@param{number} b - The second number.
*@param{number} The sum of the a and b
*/

function addNumbers(a, b) {
 return a + b;
}

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

/**
* Add two numbers.
*@param{number} a - The first number.
*@param{number} b - The second number.
*@param{number} The sum of the a and b
*/

```
function addNumbers(a, b) {
 return a + b;
}
```

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

```
// @ts-check

/**
* Add two numbers.
*@param{number} a - The first number.
*@param{number} b - The second number.
*@param{number} The sum of the a and b
*/

function addNumbers(a, b) {
 return a + b;
}
```

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

```
// Function calculates the factorial of a number.
//The input number must be a positive integer .

Function factorial(n) {
  If (n<= 0) {
  Return 1;  // The factorial of 0 and negative number is always 1.
```

```
}
let result = 1;
for (let i = 1; i <= n; 1 ++) {
    Result *= i; // calculate the factorial.
}
Return result ;
}
```

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