DWA_03.4 Knowledge Check_DWA3.1

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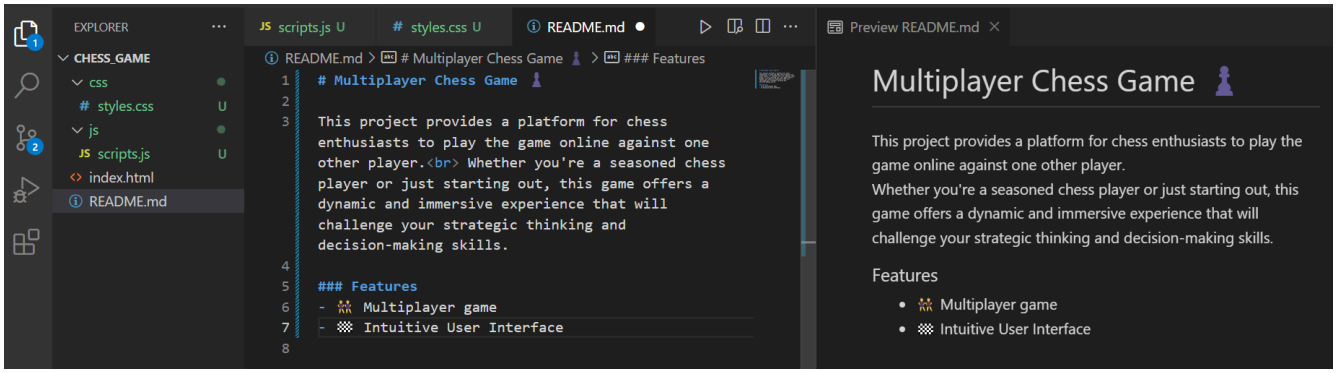
1. Please show how you applied a Markdown File to a piece of your code.



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

```
/**
 * Moves the bishop chess piece diagonally (forwards and backwards)
 * across the board.
 * @param {Object} newCell - The chess board cell that the bishop piece
 * is moving to.
 */

export const moveBishop = (newCell) => {};
```

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

```
//@ts-check

/**
 * Adds to numbers together and returns a string that states the sum.
 * @param {number} num1 - The first number.
 * @param {number} [num2] - The second number.
 * @returns {string} - A string stating the sum.
 */
const add = (num1, num2 = 0) => {
  return `The sum is: ${num1 + num2}`;
};

add(1, "3")
```

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4. As a BONUS, please show how you applied any other concept covered in the 'Documentation' module.
How to create custom types. In this example I created a custom shopping list type

```
/**
 * Shopping list
 * @typedef {Object} ShoppingItems
 * @prop {Array} itemNames
 * @prop {number} amount
 */

/**
 * First trip shopping list
 * @type {ShoppingItems}
 */
const shoppingList1 = {
  itemNames: ["carrot", "banana"],
  amount: 3,
};
```
