DWA_04.3 Knowledge Check_DWA4

_____

1. Select three rules from the Airbnb Style Guide that you find **useful** and explain why.

1.1 Use const and let:

- In terms of code clarity, predictability, and avoiding certain types of bugs.
- Const helps in writing safer and more maintainable code by preventing accidental reassignments.
- Const and let have a block-level scope, meaning they are limited to the block of code they are declared in.

1.2 Use for multiline comments.

- Personal Notes and Reminders: Multiline comments can serve as personal reminders or notes within the code.
- Code Documentation: Multiline comments allow developers to document their code effectively. They provide a space to explain the purpose, functionality, or usage of certain code blocks or sections.
- Collaboration: Comments facilitate collaboration by allowing developers to leave notes, instructions, or feedback within the codebase, enabling effective communication and teamwork.

1.3 When programmatically building up strings, use template strings instead of concatenation:

- Easy to Understand: Template strings use a simpler and more readable syntax for creating strings. They make it clear where variables or expressions are inserted by using placeholders (${expression}) inside the string.
- Formatting Made Easier: Template strings offer a convenient way to format values within the string itself. You can perform operations or transformations directly on the inserted values without having to write additional code.
- Multiline Support: Template strings natively support multiline strings, allowing you to write strings spanning multiple lines without using concatenation or

escape characters. This makes the code more readable and maintainable, especially when dealing with lengthy or complex strings.

Template strings offer a more elegant and concise way to build strings programmatically. They enhance code readability, simplify syntax, support variable interpolation, handle multiline strings, and enable expression evaluation. By using template strings instead of concatenation, you can write cleaner and more maintainable code when dealing with string manipulation.

---

2. Select three rules from the Airbnb Style Guide that you find **confusing** and explain why.

1.1 Use dot notation when accessing properties:

- Dot notation cannot be used when accessing properties with names that contain special characters, spaces, or start with a number. How do you deal with that?

1.2 Add spaces inside curly braces

1.3 Do not add spaces inside parentheses.

- Why add space to curly braces and not parentheses?

_____