DWA_04.3 Knowledge Check_DWA4

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

Use const for all your references; avoid using var.

- **Why?** When you declare a variable with const, you ensure that its value cannot be reassigned. This helps prevent bugs and makes your code easier to understand.

If you must reassign references, use let instead of var.

- **Why?** Unlike var, let is block-scoped, which means it only exists within the block where it's defined. This helps avoid unexpected behavior.

Note that both let and const are block-scoped, whereas var is function-scoped.

- **Explanation:** Variables declared with let and const exist only within the blocks where they're defined. In contrast, var variables are scoped to the entire function.

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

Note that both let and const are block-scoped, whereas var is function-scoped.

- **Explanation:** Understanding variable scope is essential. let and const are scoped to the blocks (usually enclosed by curly braces) where they're defined. Think of them as rooms within a house—they exist only within their respective rooms. On the other hand, var is scoped to the entire function, like a shared living space.

Declare one variable per line; don't use a comma-separated list of variables.

- **Explanation**: This rule might seem restrictive to some, especially if they're used to declaring multiple variables on a single line. However, it's about readability and maintainability. When you declare one variable per line, it's easier to understand each variable's purpose and type. It also makes it simpler to modify or rearrange variables later on without affecting the others

No inline comments.

- **Explanation:** This rule might puzzle people who are used to adding comments directly beside code. Comments are typically used to explain complex or unclear parts of the code. So why would you avoid inline comments? The reason is that they can clutter the code and make it harder to read, especially if they're excessive. It's better to write clear and self-explanatory code

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