

DWA_04.3 Knowledge Check_DWA4

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

- Making use of object or array destructuring when accessing multiple properties of an object. When first learning about the destructuring assignment, I was not a huge fan of it because I honestly found it confusing but when I actually learned and understood, it makes a lot more sense why it exists. It is useful because it saves you time from creating a temporary variable assignment for the properties. It allows you to assign values to multiple variables in one single statement which will be useful when you have arrays or objects with multiple properties. It also simplifies code by reducing repetitive code required to access values from arrays or objects. Lastly, it provides more readable and expressive syntax.
- Using strict equality operators over normal equality. This is very useful and very much recommended because it checks for both value and type equality. It will make sure that both operands are of the same type before checking the equality and this eliminates any type coercion in the process. Using the strict equality operator makes it more predictable and eliminates any confusion or subtle bugs because it explicitly indicates that it checks for both value and type equality.
- Making use of comments. Comments are useful for navigating through code. They can act as markers within your code which makes it a whole lot easier to navigate and find specific sections. You can create sections, label important parts or bookmark an area that requires attention or further work on.

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

- For the Whitespace section, it states that on 19.10 that we should not add spaces inside parentheses and 19.11 states we should also not add spaces in square brackets. However in 19.12, it states we should add spaces inside the curly braces (e.g. in object destructuring). I am confused as to why we can only

add spaces in curly brackets and not the others. I thought the spacing will contribute to whitespace and make the code more clearer to read.

- Making use of semicolons, according to the airbnb style we should semicolons. I'm aware that there is a built-in mechanism called Automatic Semicolon Insertion which will automatically add semicolons in certain cases. Since a mechanism such as that exists, why is there a need to explicitly add the semicolon. It can be confusing to not know which way to go. I have not made use of semicolons explicitly in my projects and I have not faced any strange behaviors or errors in the code.
 - The Iterators and Generators section of the guide, specifically 11.1, it states to not use iterators. The preferred way is to use higher order functions instead of loops such as the `for..in` or `for..of`. The reason being that dealing with pure functions that return values is easier to reason about than side effects. I'm aware that it's suggested that we not use the traditional loops as there are possibilities of errors and the readability is not the best. I do not understand why we need to steer clear of iterators such as the ones we were introduced with in the previous course, `for..of` loop. The `for..of` and `for..in` loop are much more readable and they are clear and straightforward. Should there not be an option where we can use iterators in certain circumstances before we use high order functions.
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