# 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.

 1.    Long strings (over 100 characters) should be written on a single line, and not across multiple lines. So if your characters span over more than 2 lines, make it a single line.

-    Why? This is to improve readability (imagine having to scroll horizontally back and forth for each new line as well as to improve searchability (it's easier to span a single line for a word rather than multiple with line breaks.

```
// bad
const errorMessage = 'This is a super long error that was thrown beca
of Batman. When you stop to think about how Batman had anything to do
with this, you would get nowhere \
fast.';

// bad
const errorMessage = 'This is a super long error that was thrown beca
  'of Batman. When you stop to think about how Batman had anything to
  'with this, you would get nowhere fast.';

// good
const errorMessage = 'This is a super long error that was thrown beca
```

 2.    Use named function expressions instead of function declarations. In this way you **assign the function to a variable**. Also ensure your function name is **descriptive**.

```
// bad
function foo() {
  // ...
}

// bad
const foo = function () {
  // ...
};

// good
// lexical name distinguished from the variable-referenced invocation
const short = function longUniqueMoreDescriptiveLexicalFoo() {
  // ...
};
```

3. Group all your 'const' and then all your 'let'. Its helpful if you need to assign a variable depending on one of the previously assigned variables.

```
// bad
let i, len, dragonball,
    items = getItems(),
    goSportsTeam = true;

// bad
let i;
const items = getItems();
let dragonball;
const goSportsTeam = true;
let len;

// good
const goSportsTeam = true;
const items = getItems();
let dragonball;
let i;
let length;
```

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

1.      Hoisting as a concept

2.      Don't use iterators and instead JavaScript's higher-order functions such as map, filter, reduce, instead of loops like for-in or for-of." I don't understand these functions to use them.

3.      Using the rest operator (…) instead of arguments, as I don't really understand the rest operator too well and would usually use an argument.

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