What are some new features introduced in ES6?

There were several additional features put out in 2015. One of them was the Default Parameters, and that if there is no value in the parameters, it will be defined as undefined (NaN). But when given a value, there will be a numeric output. The JavaScript way of declaring variables before 2015 was with just using **var**, the problem with that causes scope problems. With ES6 improving how to declare variables, they added **let** and **const**. Three dots (…) called the spread syntax used in Array’s, “parameters given three dots turns into an array which will contain the rest of the parameters called the rest operator.” Another new feature would be to Import and Export classes, functions, and variables. By exporting the export keyword, you can remove the export into a folder, and it can be retrieved (myfunction) by identifying the folder path, name of file, and the import keyword.

What are pure functions?

Given the same input, it’ll always return the same output with no side effects as a pure function. It only depends on the input arguments; it does not depend on any state or data change during a program’s execution. To breakdown side effects, here are several that would count out being a pure function. Making an HTTP request, Multiplying Data, Printing to a screen or console, DOM Query/Manipulation, Math.random(), Getting the current time. These are what a function should not produce.

<https://www.freecodecamp.org/news/a-general-review-of-ecmascript-2015-es6-f524d5f8c095/>

<https://medium.com/javascript-scene/master-the-javascript-interview-what-is-a-pure-function-d1c076bec976>

<https://www.geeksforgeeks.org/pure-functions-in-javascript/>