

Questions week 4

1. Dividing your code in different modules makes it easier for other people, not the one who wrote the code, to easily and clearly get a grasp and idea of what's going on in the code. It helps give a clear focus on the overview of the code. It's easier to find something what you're looking for in the code and generally keeps common lines of code close together.
2. Asynchronous programming basically means that instead of typical C and Python programming, running the script from top to bottom, it runs it all at once. So far we've almost only used synchronous programming, in C and Python. To elaborate on that a bit more, synchronous programming means you have to wait for the script to move on another task. In asynchronous programming you can start with another task while the other one hasn't finished yet. In C and Python this isn't possible, because the code works on one core. If you'd have multiple cores, then things can happen simultaneously.
3. In one way, yes. JSON is valid JavaScript. It is not the same thing though. It all depends on how the JSON is formatted. JSON always comes in a large string of data. A JSON string is a data interchange format. Nothing more than a lot of characters formatted together in a certain way that has to meet the qualifications of a correct JSON format. JSON formatted strings can then be parsed to produce an object in JavaScript or any other language for that matter.