

# CODE JOURNEY

***Week 3***

<CodeCrew/>

New week, new challenge. This week we discovered a language: **Python** (*ok the name is a bit scary but don't worry ... !!!*). Python is a language with a very simple syntax, simpler than our lovely JavaScript, let me explain: for declarations of variables, unlike JavaScript, we just write the name of the variable and also we don't need semicolons or even curly braces (*cool isn't it?*). Just like in JavaScript, in python we also have, in addition to the variables, the conditions, the functions, the loops, arrays and also the Objects. So let's remember that: **in coding, languages have almost the same terms, but with different syntaxes**. Knowing this makes it easier for us to learn.

Concerning the conditions, for example, in JS we have *if ... **else if** ... else*, but with python it becomes *if ... **elif** ... else*. At the loop level, we have 3 types in JS: *for*, *while* and *do..while*. Python, who loves to make our life pretty easier, has only 2: *for* and *while*. Just a little overview of the different syntaxes compared to JS. Concerning the tables, let's remind us that they are an alternative to the variables to store several data. In Python we will be able to store several data through *lists*, *tuples* and *dictionaries*. Each value of them is numbered, starting from zero - the first one is numbered zero, the second 1, the third 2, etc . Lists are kind of modifiable array. You can remove values from the list, and add new values to the end. Tuples are just like lists, but you can't change their values.

In a dictionary, you have an *index* of words, and for each of them a definition. In python, the word is called a *key*, and the definition a *value*. (*Yes we learned all this in a single week.!! WELCOME TO CODECREW!!!*). It may seem intense (yes it's very intense), but all class assignments make us better assimilate all these notions. Also, the atmosphere in class becomes more and more family. Not only do we learn all this in joy, but we do not need to write our names on paper, we all know each other. And apart from the explanations of the instructors, between us students, it's fast. I hope it goes on like that, because I find everything I wanted in the beginning. The week was very difficult I admit, but I learned a lot of things and I start to feel like a real professional.