Daily Assessment format

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Topic: How to develop Pythonic coding Rather than python coding
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Report

A common neologism in the python community is pythonic, which can have a wide range of meanings related to program style. To say that code is pythonic is to say that it uses python idioms well, that it is natural or shows fluency in the language. Likewise, to say of an interface or language feature that it is pythonic is to say that it works well with python idioms, that it integrates well with the rest of the language.

python scripts can put the system into different state set configurations, & test all sorts of real-world use cases. python can also be used to receive embedded system data that can be stored for analysis. programmers can then use python to develop parameters & other methods of analyzing the data.

There are certain things you can do with all sequence types these operations include indexing, slicing, adding, multiplying, & checking for membership. In addition python has built-in fns. for finding the length of a sequence & for finding its largest & smallest elements.

one of the special concepts in python is the idea of writing idiomatic code that is most aligned with the language features & ideals. in python, we call this idiomatic code pythonic. while this idea is easy to understand, it turns out to be fairly hard to make concrete.

This course will take you on a tour of over 50 of the more popular & useful code ex. demonstrating ex. of Pythonic code. In the ex. you'll first see non-pythonic code & then the more natural pythonic version. Topic covered include the expansive use of dictionaries, hacking Python's memory usage via slots, using generators, comprehensions & generator expressions, creating subsets of collections via slices & more. Several of these are Python 3 features so you'll have even more reason to adopt Python 3 for your next project.