Python Beta 107
Lists and dictionaries

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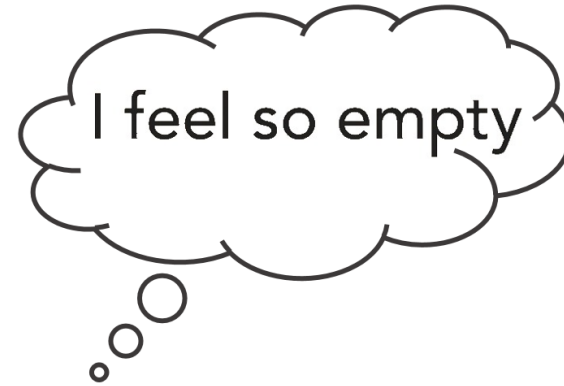
Covenant with Allah

اللَّهُمَّ فَاطِرَ السَّمَاوَاتِ وَالأَرْضِ، عَالِمَ الْغَيْبِ وَالشَّهَادَةِ، إِنِّي أَعْهَدُ إِلَيْكَ فِي هَذِهِ الْحَيَاةِ الدُّنْيَا: إِنَّكَ إِنْ تَكِلْنِي إِلَى نَفْسِي تُقَرِّبْنِي مِنْ الشَّرِّ، وَتُبَاعِدْنِي مِنْ الْخَيْرِ، وَإِنِّي إِنْ أَثِقُ إِلَّا بِرَحْمَتِكَ فَاجْعَلْهُ لِي عِنْدَكَ عَهْدَاً تُؤَدِّهِ إِلَيَّ يَوْمَ الْقِيَامَةِ، إِنَّكَ لَا تُخْلِفُ الْمِيعَادَ

Covenant with Allah

O Allah, Originator of the heavens and earth, Knower of the seen and unseen, I testify in this worldly life of mine that if You leave me to myself, by that You are bringing me closer to harm and distancing me from good. I have no confidence except in Your mercy, so let that be a covenant that You deliver to me on the Day of Judgment—for You never break Your promises.

A light hearted List Joke

Lists in Python

- In Python Lists are ordered sequences that can hold a variety of object types.

- We can use [] brackets and commas to separate objects in the list for example [1,2,3,4,5,6,7,8]

- Lists support indexing and slicing that we learned previously and also have a variety of useful methods that can be called on.

- Lists can also be nested that we covered in Python Alpha.

How easy is python

Dictionaries in Python

- A dictionary is a collection which is unordered, changeable and indexed. In Python dictionaries are written with curly brackets, and they have keys and values.

- Dictionaries use a key-value pairing instead {'key1':'value1,'key2':'value2'}

- The key value pair allows users to grab objects without needing to know an index location

Dictionary vs lists

- Dictionaries: Objects retrieved by key name.
They are unordered and cannot be sorted.

- Lists: objects retrieved by location.
Ordered sequence can be indexed or sliced.

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