CPS 109 - Lab 8

Agenda

- 1. Dictionaries
- 2. Randomness
- 3. Multi-Dimensional Arrays

Dictionaries

Dictionaries are yet another Python collection (like lists and tuples).

However, unlike the ones you've learned before, dictionaries are unordered.

Dictionaries

Unordered means that you cannot access the members of the dictionary by their index number. You have to get them by their key.

Dictionaries

You access a dictionary object by its key. What is a key? Well, the objects of a list take on the following format:

Key: Value(s)

Randomness

What is randomness? Well, in python, it's using pseudo randomly generated values or choices to use in your program.

Randomness

Why would you use random numbers or choices?

Several reasons: games of cards, rolling dice, etc.

Multi-Dimensional Arrays

You all have dealt with matrices by now, right?

Multi-dimensional arrays are a way to represent those.

Multi-Dimensional Arrays

And what are those?

They're just lists within lists.