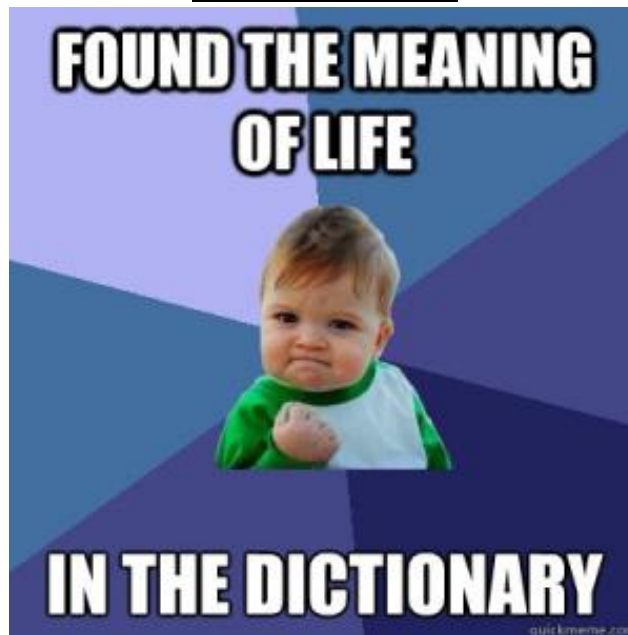


WEEK 8 REVIEW



Dictionaries

- Like lists in that they store information
- However, BETTER than lists because you can “look up information”
- Key-value pairs: Keys need to be **unique** and **immutable**, but can have multiples of the same values
 - Example: student grades, Key is the USC ID and value is a list of grades in the class or their average grade. Each student has a unique ID, but you have multiple students with the same grades
- When designing a dictionary, you need to think of how you want to organize your information and which information is going to make it easy to look things up and is unlikely to repeat (to ensure that each key is unique)
- The value can be anything: an int, a string, a list, another dictionary.

Exercises

I’ve got so many wonderful ideas