

Dictionaries

1. Create a dictionary that takes in a string and maps the frequency of how many times a character appears.
2. Given a 2D list, return a dictionary that maps how many times the items in the first row appear.
3. Which of these values can we hash? What makes something hashable?
"Hello", 'H', ["hello", 2], {1,2,3}, 3, true
4. How do dictionaries relate to hash tables? Why are their keys immutable?
Why can we only use immutable objects in ?
5. Find the most common element in a list in $O(n)$ time. Assume no ties occur.