Answer one of the following questions for this assignment. Your solution should be between 50 and 100 words. Place your questions in the “Answer” section below. Be certain to number your answers with the same number that is associated with the question.

1. What are two ways you can safely look up a key in a dictionary?
2. What are the implications of a shared reference to immutable and mutable values?
3. Why should you limit how deeply you nest sequences?
4. Name three reasons you might use a tuple instead of a list.
5. How are lists and tuples similar and different?

ANSWERS:

1. You can use the get method which has protection built into it so that if the key does not exist, it will return a supplied value. You can also use an if beforehand to do something life if “key” in dictionary: and then look up the value at that key. So this checks for the key being in the dictionary before doing anything.