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CSC\_157\_Lab\_06\_QA

(1) Explain the use of a module in Python. What Python keyword is used to incorporate a module in your program?

Modules in Python, and other programming languages, enables us to abstract code into separate files and import that code into other files. This helps keep the workspace clean, helps with refactoring, helps with bug hunting and keeps files small and code concise. The `from` *module* `import` *functionVarOrConst* keywords are used to import code from other files.

(2) What are the two necessary components that comprise a dictionary?

A key and a value.

(3) What is meant by a key - value pair?  
  
A key (String type) is an accessor for a value in a dictionary. A dictionary is made up of any number of key/value pairs and are accessible using bracket notation, e.g., `someValue = my\_dict[“someKey”] `

(4) How is a list similar to a dictionary? How do they differ?

Both lists and values can hold a collection of values, which can be accessed using bracket notation. Both lists and dicts are mutable, which means we can add, remove, or edit values without having to reassign them to a new namespace.  
  
Lists and dictionaries differ in that list values are accessed by index (int type) and values in dictionaries are accessed via key (string type), and differ in many of their methods for reading/writing to the data they contain.

(5) What have you learned *from* performing and coding *for* this lab assignment?

Refreshed knowledge about importing modules in Python.