

CPSC 1301, Computer Science I Homework 14

Chapters 22 and 23, *Learning Python*

Readings

Read chapters 22 and 23 in the *Learning Python* book.

Discussion Questions

Answer the discussion questions in writing.

1. What does `import module` do?
2. What does `import module as mod` do?
3. What does `from module import attribute` do?
4. Why do we use modules? Note that this is common across all computer languages, but the terminology is different, e.g., libraries, packages, assemblies, etc.
5. How do we structure a Python program? What is the *top level* file? Does Python have any kind of top level function? If so, what is it?
6. What is Python's *standard library*? How do we use it?
7. Describe the three distinct steps involved in importing a module.
8. What is the `__pycache__`? What does it do?
9. What is Python's module search path? List the searched locations.
10. How do we create a module?
11. How do we use a module?
12. Can a module be run on its own? Why or why not?
13. What is the relationship between *modules* and *namespaces*?
14. Review the Test Your Knowledge quizzes at the end of the chapters.