

First Principles: Modularity

1. Time: 9 to 11
2. Lecture: No lecture; follow along activities
3. Activities
 - a. Activity: Basic programming in Python
 - i. Hello World
 1. See hello.py
 - ii. Hello <user>
 1. Raw input
 - a. See hello_name.py
 2. From command line using sys library
 - a. Modify hello_name.py to print sys.argv[1]
 - iii. Control structures
 1. If statements
 - a. See if.py
 2. Loops
 - a. For loops
 - i. See for.py
 - iv. Functions
 1. User defined functions; modularity
 - a. See function.py
 - v. Sockets
 1. Client-side sockets
 2. Writing a banner grabber in Python
 - a. See banner-grabber.py
 3. Writing a port scanner in Python
 - a. See port-scanner.py