First Principles: Modularity

1. Time: 9 to 11
2. Lecture: No lecture; follow along activities
3. Activities
   1. Activity: Basic programming in Python
      1. Hello World
         1. See hello.py
      2. Hello <user>
         1. Raw input
            1. See hello\_name.py
         2. From command line using sys library
            1. Modify hello\_name.py to print sys.argv[1]
      3. Control structures
         1. If statements
            1. See if.py
         2. Loops
            1. For loops

See for.py

* + 1. Functions
       1. User defined functions; modularity
          1. See function.py
    2. Sockets
       1. Client-side sockets
       2. Writing a banner grabber in Python
          1. See banner-grabber.py
       3. Writing a port scanner in Python
          1. See port-scanner.py