http://coffeeghost.net **Quick Python Script Explanation** Load other code modules. for Programmers Module name. This refers to "os.py" import os The name "main" is just a convention, not a requirement. See the very bottom of this script. def main(): Newline automatically added to print 'Hello world!' - print statements. Also, there are no semicolons at the end of the line. print "This is Alice's greeting." No curly braces! Instead, the print 'This is Bob\'s greeting.' \ I prefer single-quotes, but either is fine. block starts when you add 4 Either way, you don't have to escape the spaces of indentation. (or any foo (5, 10) Function call. other kind of quote inside the string. other amount, but 4 spaces is the standard) print '=' * 10 - String replication. Evaluates to '========' print 'Current working directory is _ + os.getcwd() String concatenation. Call a function in the os module. counter = 0 Variables MUST be counter += 1 instantiated first. Lists can contain different data types food = ['apples', 'oranges', 'cats'] in the same list, including other lists. One-line block. When the for i in food: For loop. "i" takes on each value in the list "food" in order. indentation goes back down, —→ print 'I like to eat ' + i the block has ended. The range() function returns a list print 'Count to ten:' for i in range (10): Ike [0, 1, 2, 3, 4, 5, 6, 7, 8, 9] Don't forget the colon at the end! print i Function definition. Don't forget the \ colon at the end. def foo(param1, secondParam): String interpolation works basically the res = param1 + secondParam same way as it does in C. print '%s plus %s is equal to %s' % (param1, secondParam, res) if res < 50: The comparison operators are the same as C. print 'foo' elif (res >= 50) and ((param1 == 42) or (secondParam == 24)): End of indentation, not print 'bar' a } brace, signifies the end of the block. Colons come Boolean operators are words, not && and ||. else: after def, for, print 'moo' while, if, elif, and Comments. else statements. return res # This is a one-line comment. * '''A multiline string, but can also be a multi-line comment.''' Multi-line strings don't if _name_ affect block indendation, == ' main ': though, only the indentamain() We put a call to main() at the bottom so that each def statement is exetion at the START of the cuted by the time we call main(). This script's __name__ variable has statement or expression. the value '__main__' only when the script is run, not imported. With this

check, the main() function won't run if another script imports this script.