Scripting Languages:

Know some of the differences and trade-offs between scripting languages and systems languages - dynamic typing, compiled vs. interpreted, compile-time type checking vs. runtime type-checking, high level vs. low level, execution speed vs. development speed, etc. Know what it means for a variable to be "immutable" Know what recursion is and be able to identify an example in code

Bash:

Know some of the reasons or purposes for writing shell scripts
Know how to modify a file's permissions
Know what pipes are and what they are used for
Know the list of linux programs we looked at and what each one does
Know how to display the contents of a file
Know what I/O redirection is and which redirection operators do what

Perl:

Understand the difference between scalar and list context
Know the 3 types of scalars - numbers, strings, and references
Know how to declare and assign values to and retrieve values from scalar variables
Know the 2 types of containers - arrays and hashes
Know how to declare an array and assign and retrieves values from an array
Know the differences between single-quoted strings and double-quoted strings
Know how to concatenate strings together using the . operator
Know how to declare a hash and assign and retrieve values from a hash
Know the 3 I/O streams STDIN, STDOUT, and STDERR and what each one does
Know what it means to redirect a stream's output

Python:

Know how to declare Python variables, assign values to variables, and retrieve the value of variables

Know which Python data types are mutable and which ones are immutable Know how to write your own function

Know that a function always returns a single object or the null object None

Know what the keyword continue and break do when used inside of a loop

Know how scoping works and how names are resolved

Know how global variables work and which scope they are bound to

Know what the container types are in Python - strings, tuples, xrange sequences, and lists

Know the names of the 3 I/O stream or file objects - stdin, stdout, and stderr

Know what the print>>() function does

JavaScript:

Know what a callback function is

Know what kind of inheritance model is used in JS - prototypal inheritance, not classes Know what JSON is and what it is used for Know what the event loop is and it's purpose Know what an API is Know the 3 major components of the web Know what the DOM is and what its purpose is Know what function scope is and how this works with the var keyword