

Day - 1

- - Interpreted languages
 - Advantages and disadvantages
 - Downloading and installing
 - Which version of Python
 - Where to find documentation
 - Running Python Scripts
- - Using the interpreter interactively
 - Running standalone scripts under Unix and Windows
 - Getting Started
- - String types: normal, raw and Unicode
 - String operators and expressions
 - Math operators and expressions
 - Writing to the screen
 - Command line parameters
 - Reading from the keyboard
 - Flow Control
- - Indenting is significant
 - The if and elif statements
 - while loops
 - Using lists
 - Using the for statement
 - The range() function
 - Sequence Data

Day - 2

- - list methods
 - Strings are special kinds of lists
 - tuples
 - sets
 - Dictionaries
 - Defining Functions
- - Formal parameters
 - Global versus local variables
 - Passing parameters and returning values
 - Working with Files
- - Opening a text file
 - Reading text files
 - Raw (binary) data
 - Using the pickle module
 - Writing to a text file
 - Dictionaries and Sets
- - Creating dictionaries
 - Dictionary functions
 - Fetching keys or values
 - Testing for existence of elements
 - Deleting elements
 - Errors and Exception Handling

Day - 3

- - Exceptions
 - Handling exceptions with try/except
 - Cleaning up with finally
 - Using Modules
 - - The import statement
 - Function aliases
 - Packages
 - Regular Expressions
 - - Defining classes
 - Constructors
 - Instance methods
 - Instance data
 - Class methods and data
 - Destructors
 - Conclusion
- - Pattern matching
 - Parsing data
 - Subexpressions
 - Complex substitutions
 - RE tips and tricks
 - Highlights of the Standard Library
 - - Grabbing web pages
 - Sending email
 - Using glob for filename wildcards
 - Math and random
 - Accessing dates and times with datetime
 - Working with compressed files
 - An Introduction to Python Classes