**Introduction to Python and Anaconda Package**

* A breif history on Python
* Downloading the anaconda Package <https://www.continuum.io/downloads>
* Installing Anaconda on the machine
* Setting up path vairable

**Spyder IDE and Jupyter Notebook**

* Various panes in the Syder IDE
* Working in a Jupyter Notebook <https://www.cheatography.com/weidadeyue/cheat-sheets/jupyter-notebook/>

**Getting started in Python**

* Python a High level Interpreted language
* Execution Flow
* Variables and it's naming Conventions
* Print a statement on the console
* Taking an Input from the user
* Type and ID function
* Keywords in python

**Operators**

* Mathematical operators: Addition, Subtraction, Multiplication,Division, Numerical Division,Expoenent, Modulus Operator
* Condition operators > < == != >= <=
* Logical Operators: and, or , not using Conditional statements
* Boolena Operators: True and False
* Functions: Max(), Min(),Sum(),len()

**Conditional  statements**

* If
* Else
* If elif
* If elif else
* If elif tree

**Looping Statements**

* For
* While
* Break and continue

**Data Structure of Python**

* Strings
* Lists
* Tuples
* Dictionaries
* Sets

**Functions**

* def
* return
* pass
* lambda
* map
* reduce
* filter

**File handling**

* csv files
* Excel file using openpyxl
* .txt file

**List Comprehension**

**Exceptional handling**

* Try
* Except
* Else
* Finally

**Python Functions**

* Generator
* Iterator
* Decorator

**Object oriented programming**

* Class
* Creating an object
* Accessing a method inside a class
* Inheritance