

Week 1 Assignment

There are some mentees among us who know python basics. Those who know the basics of python can move forward with the assignment. But just for the beginners, the 1st week will be the “Intro to Python” because in the field of Data Science python is the widely used programming language.

So starting from scratch we are going to cover data types (int, float, list, tuple, range, dict etc), operators (arithmetic, assignment, comparison, logical operators etc), flow control (loops, recursion, if- elif etc) and functions. Watch till the 1:23:00 timestamp of the video. (skip the file handling part, if you are interested you can go further to file handling but this would not be of use to our project)

Here is the link to learn the basics of python that are required for a data science project:

https://youtu.be/woVJ4N5nl_s

In case u want short and specific video tutorials for python here are the ones:

<https://www.youtube.com/playlist?list=PLsyebzWxl7poL9JTVyndKe62ieoN-MZ3>

Variables and datatypes (watch only #4 and 10):

List, tuples (watch only 5, 6, 26, 27):

Loops and if-else (watch only 19, 20, 21 and 22) :

Functions (watch only 32, 33 and 34) :

NOTE: Do only one from the above two resources mentioned.

Now, week 1 will end with a small assignment that will be based on the basics of python u have learnt in the video above.

The Github link to the assignment is :

<https://medium.com/swlh/sudoku-solver-using-backtracking-in-python-8b0879eb5c2d>