**RESOURCES**

Git and GitHub Tutorial - <https://drive.google.com/open?id=1HzQB8EdWj8Otlu0CNuWQIJKKSZL9h-SNrulkJD2QEFg> (Linux)

<https://drive.google.com/open?id=1EtYQ2pT5DLNFC6ZosAoAFnjcQsDiTmFMAStFpZ6n3NA> (Windows)

Python Notes - <https://nitish6174.gitbooks.io/python-lecture-series/content/>

**Week 1**

Week 1 will comprise of basic coding in Python and HTML. Python will be useful for learning web development in Django (python framework). Hypertext Markup Language(HTML) is the standard markup language for creating web pages and web applications. This week will be the most crucial week to spark your interest in web development.

**Windows Users:** Follow this video <https://youtu.be/-s4wKoLO520> to install Python IDE to try and execute python codes. You will be using the same for Django also.

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| **Day 1** | 12 Dec - Wednesday | Python: Introduction + Lecture 1 & 2 |
| **Day 2** | 13 Dec - Thursday | Python: Lecture 3 & 4 |
| **Day 3** | 14 Dec - Friday | Python: Lecture 5 + Practice Problems |
| **Day 4** | 15 Dec - Saturday | Python Problems on Hackerrank |
| 16 Dec - Sunday - Use this day to revise and catch up if you are behind | | |

**Day 1:**

Download Python Lecture Series Pdf from <https://legacy.gitbook.com/book/nitish6174/python-lecture-series/details>

We will be using the same pdf for first three days. We have already covered first 3 chapters in python lectures taken in college. Even if you have not attended the python lecture series, given time is enough to read them. Do try to type the code for examples yourself but do not spend much time on it see the solution and make sure you can solve that problem next time you encounter the same.

**Day 2:**

Use the same pdf from Day 1 for lecture 3 and 4. Do not skip example problems. They are crucial to make you understand how python works.

**Day 3:**

JSON is the most popular format to transfer data from server to user’s device and we will be definitely using it in our upcoming Django projects. If you are behind this is the day you can catch up.

**Day 4:**

Try solving these problems to check whether you are comfortable with python or not. These are very basic problems and you can always see the editorial if you are unable to do it but first try to do it yourself.

<https://www.hackerrank.com/challenges/write-a-function/problem>

<https://www.hackerrank.com/challenges/py-collections-ordereddict/problem>

<https://www.hackerrank.com/challenges/compress-the-string/problem>