



## Week 1: Basic Challenge

**Agenda:** Learn Basic Python Syntax and concepts

**Last Date for submission:** Sunday, 12th April, 2020

**Topics Covered:** Syntax, Conditional statements, Loops etc in Python 3

### Problem Statement

Develop a Google Colab notebook with well documented code for the following topics. Each topic must be shown in a separate section using “text” cells in the colab.

1. Python Print function, String and Variables
2. Operations and Built-in functions
3. Lists, Sets, Tuples, Dictionaries
4. Lists Operations and Strings manipulation
5. Defining functions
6. Importing Modules
7. Downloading any external library (module) using pip

### Resource Reference

1. [Python Programming Tutorials](#) - Video Lectures
2. <https://github.com/shubham99bisht/python-tutorials> - Reading notes and code snippets