DAY 1 ASSIGNMENT

1. What is Python? What are the ways to install Python?

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance.

- Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc).
- Python has a simple syntax similar to the English language.
- Python has syntax that allows developers to write programs with fewer lines than some other programming languages.
- Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.
- Python can be treated in a procedural way, an object-orientated way or a functional way.

Ways to install:

- Download python from the official website and install, set up environment.
- Download Anaconda software and install.
- Download any other IDE or text-editors like sublime, PyCharm.

2. What are code environments?Types?

A code environment is a standalone and self-contained environment to run Python. Each code environment has its own set of packages. Environments are independent: you can install different packages or different versions of packages in different environments without interaction between them.

Types:

1. Text-Editors.
2. IDEs.
3. Notebook Environments.