Day 1 Assignment:

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

Ans - Python is an interpreted, high-level, general-purpose programming language. It is developed by Guido van Russo in the year 1991. Python gets its name from a popular BBC TV show aired in between 1969 to 1974 called “**Monty’s Python Circus**”. It was backed by Google in 2006 and hence became very famous.

There are several methods to install python :   
a. Go to Python Official site :  
- Visit [www.python.org](http://www.python.org/)  
- Click on “Download” option  
- There are many Python version releases – Download latest version ie **3.8.4**   
- Install it.

b. Go to Anaconda Official Site :  
- Visit [www.anaconda.com](http://www.anaconda.com/)  
- Click on Products Dropdown Menu and Select Individual Edition  
- Click Download option and Choose your appropriate OS  
- Install it

1. What are Code Environments ? What are different Types ?

Ans – A code environment is the area where you write, compile, execute, debug or to see the output of the code.

**There are 3 different types of code environments:**

1. **Text Editors :**  Editor used for writing general text file.For ex- Notepad,VS code etc.
2. **Full IDEs :** Suitable for writing large codes with lots of extra facilities for programming languages and designed specifically for a programming language. For ex – *Pycharm* for Python,*Eclipse* for Java etc.
3. **Notebook Environments:**It is an open-source web application that allows you to create and share documents that contain live code. Here you can see input and output next to each other.For ex –Jupyter Notebook.