**Let us start with PYTHON….**

**What is Python?**

* By the way, we are familiar to the word ‘Python’ because it is a type of Snake. But this Python is different…
* This Python is an interactive, object oriented, high level, general purpose programming language.
* It was created by Guido van Rossum.
* Python is meant to be an easily readable language.

**Why Python?**

* It is an easy to learn and use programming language.
* It is vastly used in the field of Data Science.
* Data Analytics companies prefer Python language more than R because of its efficiency.

**Which Python?**

* You need to install Python in your system before running the codes added.

Download Python from: <https://www.python.org/downloads/>

(Python for any OS like Windows, MacOS, Linux/Unix is available here)

* Current latest version of python is Python 3.7.0.

But any Python 3+ version can be used.

* Some of the latest libraries don’t support Python 2. So Python 3+ is preferred.
* Any text editor like Spyder, Jupyter Notebook, Pycharm etc. which supports Python can be used to write the code. Anaconda directly can provide you these services all together.

Download Anaconda from: <https://www.anaconda.com/download/>

(Anaconda for any OS like Windows, MacOS, Linux/Unix is available here)

**Basic feature comparison with other programming languages.**

(Basic knowledge about other programming is expected before reading this. If you are new to programming, skip this)

* Python uses [whitespace](https://en.wikipedia.org/wiki/Whitespace_character) indentation, rather than [curly brackets](https://en.wikipedia.org/wiki/Curly_bracket_programming_language) or keywords, to delimit [blocks](https://en.wikipedia.org/wiki/Block_(programming)) compared to other languages.
* Semicolons after statements are optional.
* Function definition or conditional statements contains colons (‘:’) in its syntax.