**[Session 1] Python Basics Supplement**

**Indexing & Slicing of List / Tuple / String**

These three datatypes have in the following commons:

* **Can be iterated**: We can traverse each element (or character). (e.g. for statement)
* **Can be indexed:** We can access ith element directly, with [i]. (e.g. (1, 3, 2, 1)[2] => 2)
* **Can be sliced:** We can get a sub-data from the original, according to certain rules

Indexing and slicing are very important (and powerful) operations in Python. You should be accustomed

**(Index Rule)**

1. In order to access to ith element, we use Data[i-1], not Data[i].

|  |
| --- |
| print(15 + 5 – 3 \* 2)  print(“15” + “15”)  print(int(“15”) + int(“15”))  print(2 / 1)  print(“abc” + “de”) |

**1.2.**

|  |
| --- |
| a = [“a”, “bc”, “def”, “ghij”]  print(a[2])  print(a[:2])  print(a[2:])  print(a[1:3])  print(a[:]) |

**1.3.**

|  |
| --- |
| if 0:  print(“Yes”)  else:  print(“No”) |

1.4.

1.5.

1.6