Differences Between Python 2 & Python 3

* The Print Function: Use of parenthesis () with print function is mandatory in Python 3 whereas it was optional in Python 2.
* Reading Input from Keyboard: Python 2 has two versions of input functions, input() and

raw\_input(). The input() function treats the received data as string if it is included in quotes '' or "", otherwise the data is treated as number. In Python 3 only input() is used.

* Integer Division: In Python 2, the result of division of two integers is rounded to the nearest integer. As a result, 3/2 will show 1. In order to obtain a floating-point division, numerator or denominator must be explicitly used as float. Python 3 evaluates 3 / 2 as 1.5 by default.
* xrange() Function Removed: In Python 2 range() returns a list, and xrange() returns an object that will only generate the items in the range when needed, saving memory. In Python 3, the range() function is removed, and xrange() has been renamed as range(). In addition, the range() object supports slicing in Python 3.2 and later.