| **Basis of comparison** | **Python 3** | **Python 2** |
| --- | --- | --- |
| Release Date | 2008 | 2000 |
| Function print | print "hello" | print("hello") |
| Division of Integers | Whenever two integers are divided, you get a float value | When two integers are divided, you always provide integer value. |
| Unicode | In Python 3, default storing of strings is Unicode. | To store Unicode string value, you require to define them with "u". |
| Syntax | The syntax is simpler and easily understandable. | The syntax of Python 2 was comparatively difficult to understand. |
| Rules of ordering Comparisons | In this version, Rules of ordering comparisons have been simplified. | Rules of ordering comparison are very complex. |
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**Python IDE :**

1. IDLE

2. Sublime Text 3

3. Atom

4. Pycharm

5. Visual Studio Code

**Python tools for different Domains :**

Data Science

1. Ipython
2. Graphlab
3. Numpy
4. Pulp
5. Sckitlearn
6. Pandas
7. Matplotlib
8. Spark

Gaming

1. Pygame
2. pyKyra
3. PyopenGL
4. Pyglet