

## Ex. #3 – Basic Python Programming

### Appendix – Configure cloud9 IDE for Python 3

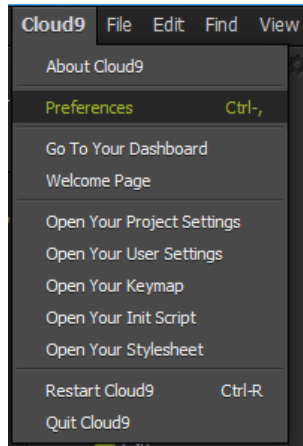
Python programming language was conceived in the late 1980s, and has since gone through several revisions, with version 3 being the latest (specifically, version 3.7 that was released on June 27, 2018). ([https://en.wikipedia.org/wiki/History\\_of\\_Python](https://en.wikipedia.org/wiki/History_of_Python)). But Python 2 (2.7) can still be found in many existing/legacy applications.

There are plenty of differences between version 2 and version 3 of the Python language. Two of the differences you will notice when you code programs in this course are the `print()` and `input()` functions.

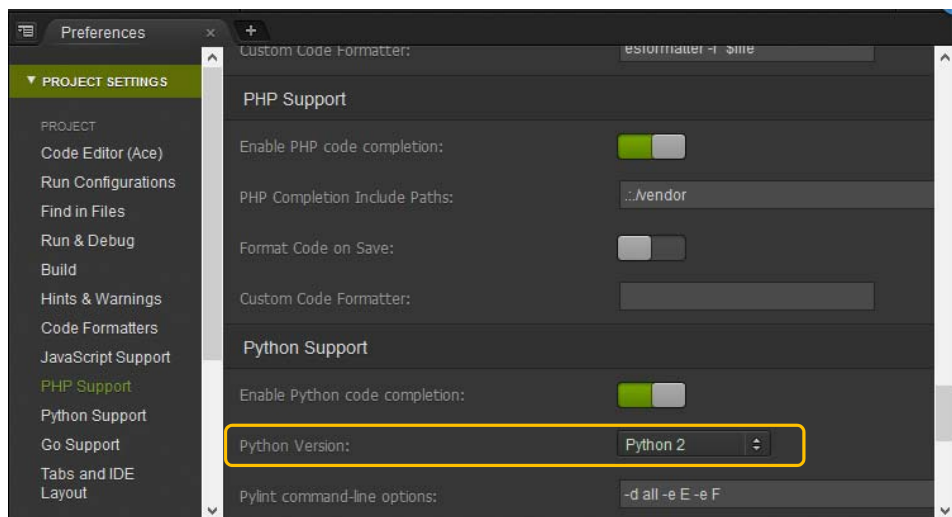
- In Python 2, the print statement is written as `print "Hello world"`, while in Python 3, print statement is replaced as a function and is written as `print ("Hello world")`.
- In Python 2, the `input()` function evaluates the data it receives and returns the data type based on what it 'thinks' it should be. In Python 3, `input()` function always returns the data as str (i.e. string) data type object.

Cloud9 IDE supports both Python 2 and Python 3, but it is obvious that we should learn the latest, which is Python 3. As such, you will configure Cloud9 IDE for Python 3 in this course, using the steps as described below.

- Select the **Preferences** option under the Cloud9 menu

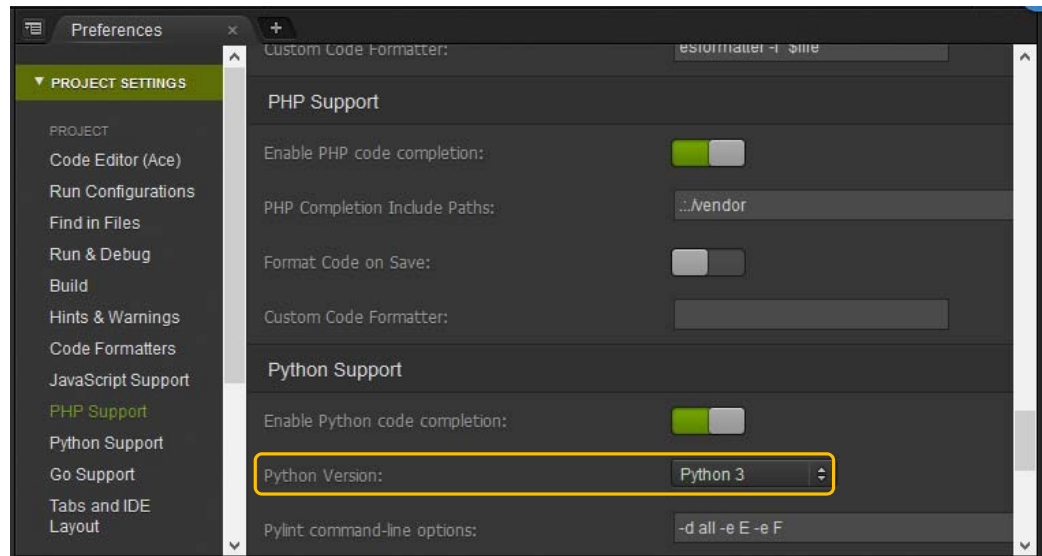
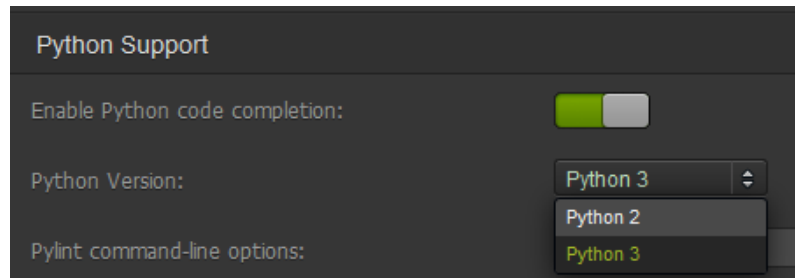


- The **Preferences** window pane will be shown. Look for the **Python Version** setting.



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iii) If the **Python Version** is shown as **Python 2**, change it to **Python 3**.



iv) In addition, when you later run your program, check that the setting for **Runner** is set to **Python** (and NOT Python 2 **Runner: Python 2**).

