Question 1:

There is a syntactical difference between python 2.x and 3.x. Here are few of the things:

1.Division Operator:

In python 2.x when divided by some integer it gives only integer values. Whereas in python 3.x when divided by some number it’s gives floating value.

2. Print Statement:

**Print** function in python 2.x is replaced by **print()** function in python3.x.

3.Unicode:

In python 2.x implicit str type is ASCII. Whereas In python 3.x it is Unicode.

4.xrange()

In python 3.x range() function does what xrange does in python 2.x