Interpreter	Compiler
Translates program one statement at a time.	Scans the entire program and translates it as a whole into machine code.
It takes less amount of time to analyze the source code but the overall execution time is slower.	It takes large amount of time to analyze the source code but the overall execution time is comparatively faster.
No intermediate object code is generated, hence are memory efficient.	Generates intermediate object code which further requires linking, hence requires more memory.

Python 2	Python 3
Strings are stored in ASCII	Strings are stored as Unicode
Rounding calculations	Don't round (more accurate)
No need for brackets for print statement	You need brackets for print statement

ASCII: is one of the encoding schemes, used by computers to understand texts. Each keyboard button (letter, number, special character) have a special ASCII representation from all other buttons. Used in python 2.

UTF-8: another way to code characters to unicode. Used by python 3.