* Python is a popular programming language. It was created by Guido van Rossum, and released in 1991. Python is an object-oriented programming language, and in Python everything is an object.
* Comments start with a #
* Python uses indentation to indicate a block of code.
* Python Variables are containers for storing data values.
* Rules for Python variables:
* A variable name must start with a letter or the underscore character
* A variable name cannot start with a number
* A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and \_ )
* Variable names are case-sensitive (age, Age and AGE are three different variables)
* Python has the following data types built-in by default, in these categories:

|  |  |
| --- | --- |
| Text Type: | str |
| Numeric Types: | int, float, complex |
| Sequence Types: | list, tuple, range |
| Mapping Type: | dict |
| Set Types: | set, frozenset |
| Boolean Type: | bool |
| Binary Types: | bytes, bytearray, memoryview |

Arithmetic (Python implements seven basic binary arithmetic operators, two of which can double as unary operators)

Bitwise( 6 bitwise operators )

Assignment(=)

Comparison(Boolean values-True and False)

Boolean(and, or, not)

Identity(is and is not)

Membership Operators(in and not in)