

Variable

A variable in Python is a name that stores a value.

It acts as a container that holds data, which can be changed during program execution.

Rules while declaring a variable

1. Variables name should start with a character or _
2. Variable names may contain A-Z/a-z/0-9
3. Variable name shouldn't have only digits
4. Keywords can't be used
5. Spaces are not allowed
6. Special characters are not allowed except _

Types

Local Variable: Declared inside a function and can be used only within that function.

Global Variable: Declared outside a function and can be used anywhere in the program

Datatypes

Data Type	Example
Numeric	int, float, complex
Sequence	str, list, tuple
Set	set, frozenset
Mapping	dict
Boolean	bool
Binary	bytes, bytearray, memoryview
None	NoneType