11. Python Data Types

Monday, June 24, 2024
12:32 PM

Basic Data Types

- **Below is the basic building blocks when constructing larger pieces of code.**

Name	Type	Description
Integers	int	Whole numbers, such as: **3 300 200**
Floating point	float	Numbers with a decimal point: **2.3 4.6 100.0** *Note : 100.0 is still counts as floating point due it have decimal and no longer integer*
Strings	str	Ordered sequence of characters: **"hello" 'Sammy' "2000" "楽しい"** *Note : It is like word, but it must contain double quotes or single quotes.*
Lists	list	Ordered sequence of objects: **[10,"hello",200.3]** *Note : It hold data objects in some sort of sequence or in some sort of mapping, where it uses brackets.*
Dictionaries	dict	Unordered Key:Value pairs: **{"mykey" : "value" , "name" : "Frankie"}** *Note : It have unordered key equal value pair inside the curly braces bracket.*
Tuples	tup	Ordered immutable sequence of objects: **(10,"hello",200.3)** *Note : It is look like list, cannot be changed after creation and comes in parentheses.*
Sets	set	Unordered collection of unique objects: **{"a","b"}** *Note : It is similar to dictionary without value pairs and just unique objects in unordered collection.*
Booleans	bool	Logical value indicating **True** or **False** *Note : It have capital T and capital F, which indicate logical value in True or False.*