

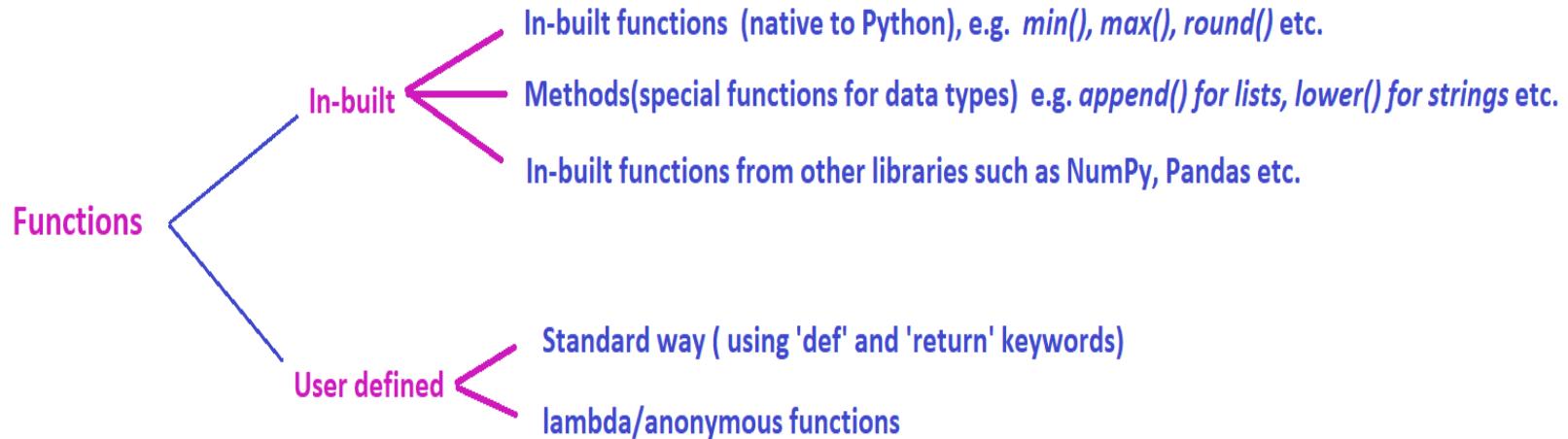


PBQ - 02

Data Type	Syntax	Data Structure	Syntax
String	" " or ''	List	[]
Integer	2	Tuple	()
Float	2.0	Dictionary	{ Key1:Value1, Key2:Value2, }
Boolean	True/False	Sets	{ }

Branching, loops and control structures in Python for iterative tasks

- **If-else-elif branching**
- **for-loop**
- **One-line if statements:** *A shorter alternative to if-elif-else*
- **List Comprehensions:** *Dynamically creating lists from other sources*
- **while loop**
- **'break' and 'continue' in loops:** *Keywords to control the flow inside the loop*



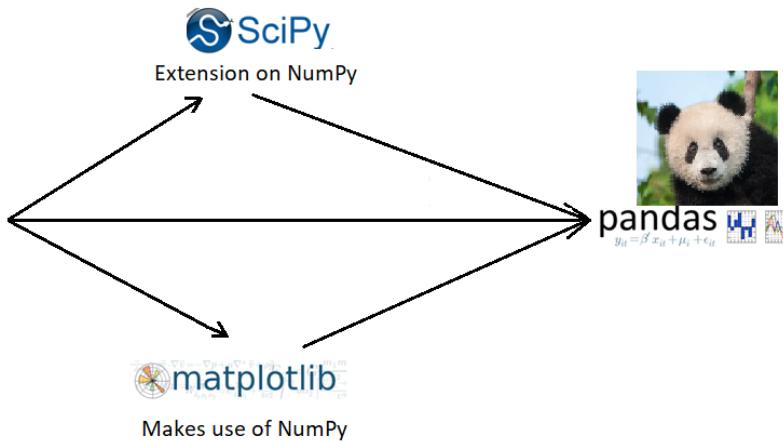
Python libraries



The Python interpreter
and in-built libraries
such as the OS library



Written in C



Built on top of
NumPy, SciPy
and Matplotlib

Data structures from the pandas library

Series: 1D data structure from pandas

Index

Date
2012-06-18
2012-06-19
2012-06-20
2012-06-21
2012-06-22

1017.117981
1016.326172
1002.771423
1014.369812
1026.713501

Index/rows

DataFrame: 2D data structure from pandas

Date	Columns		
	MARUTI.NS	EICHERMOT.NS	BAJAJ-AUTO.NS
2012-06-18	1017.117981	1883.878418	1232.155884
2012-06-19	1016.326172		1226.524170
2012-06-20	1002.771423		1226.364380
2012-06-21	1014.369812		1227.203125
2012-06-22	1026.713501	1894.007568	1234.512573

Values