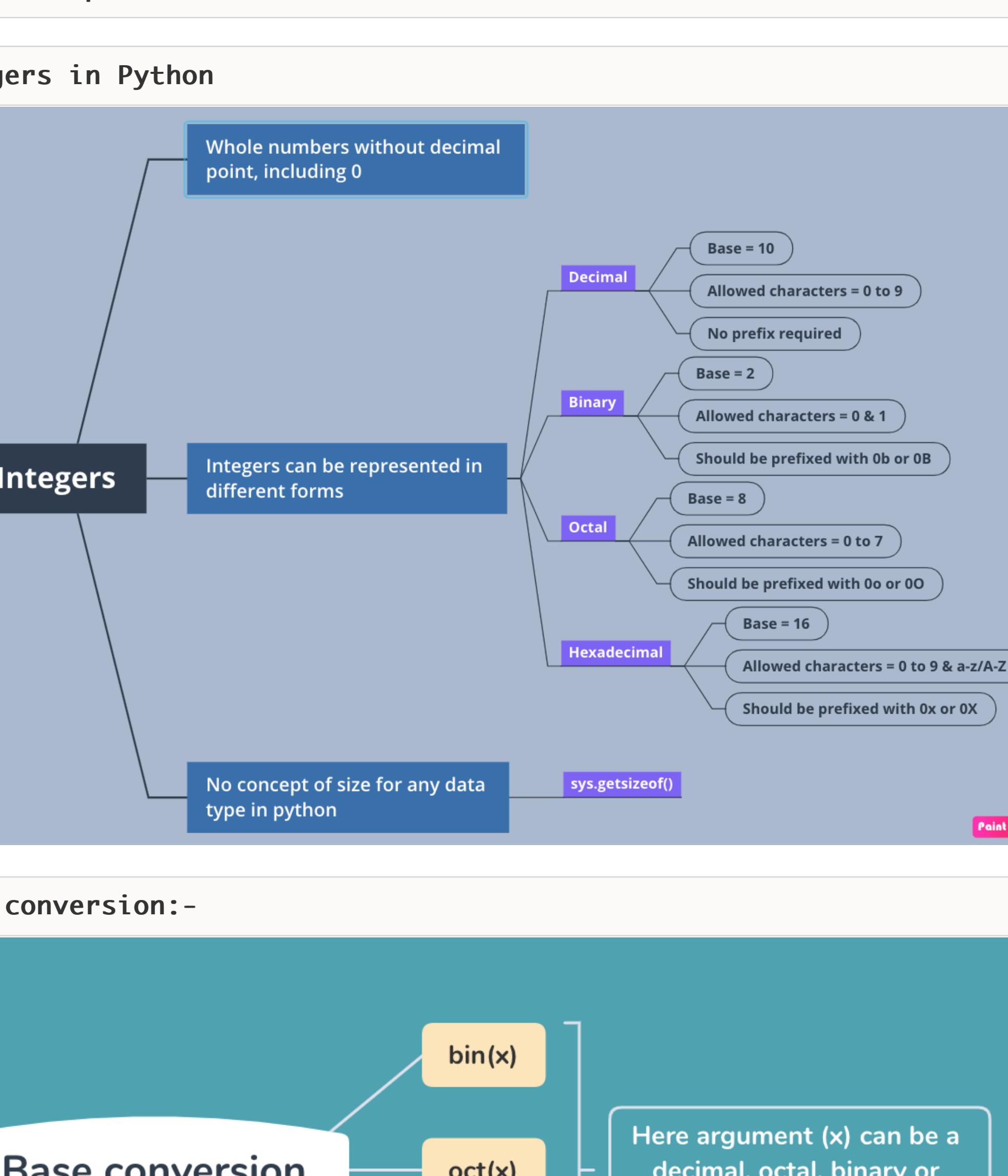


There are total 14 data types in python. Let's have look at them

Data Types in Python

Fundamental

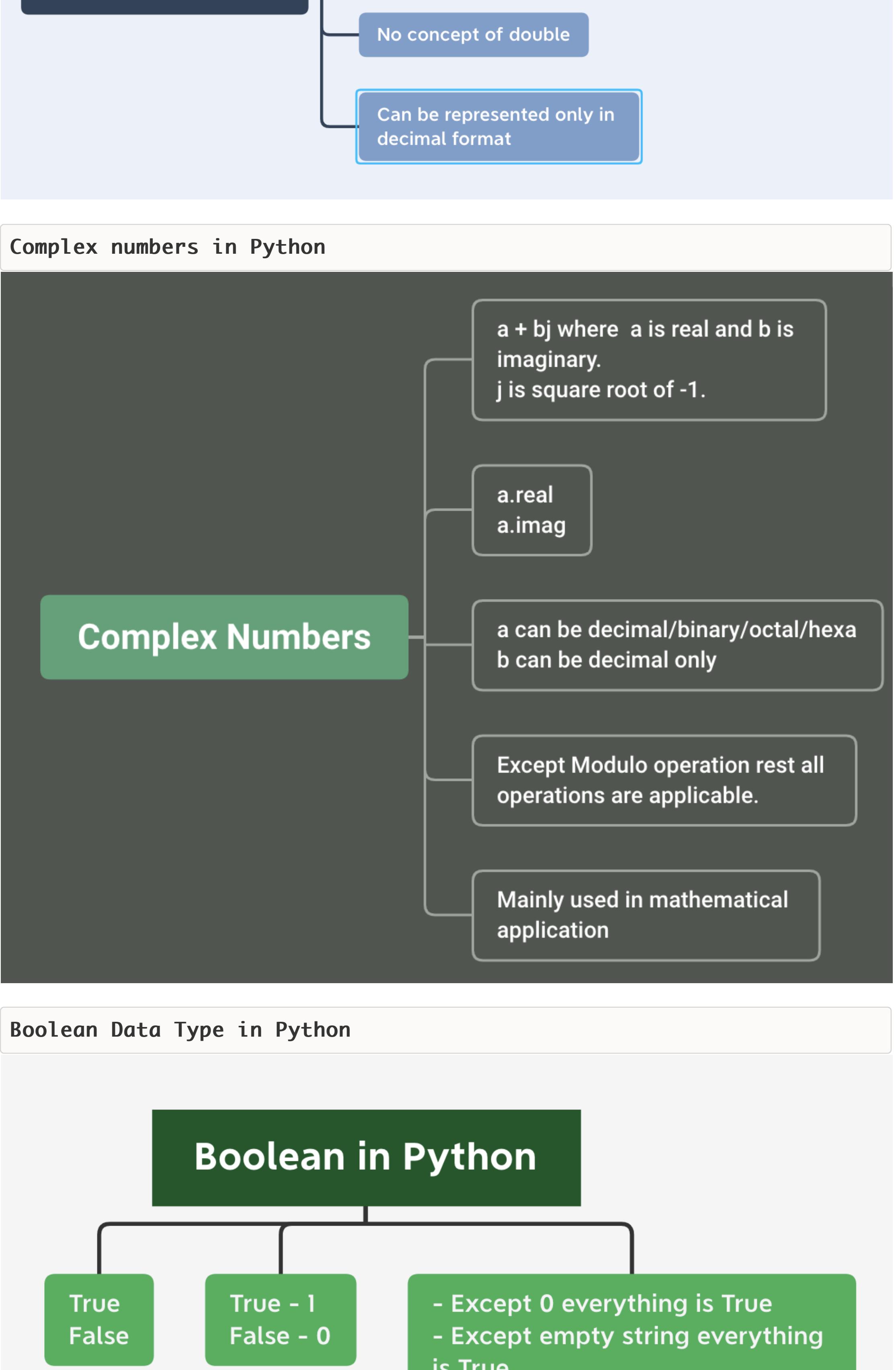
Derived



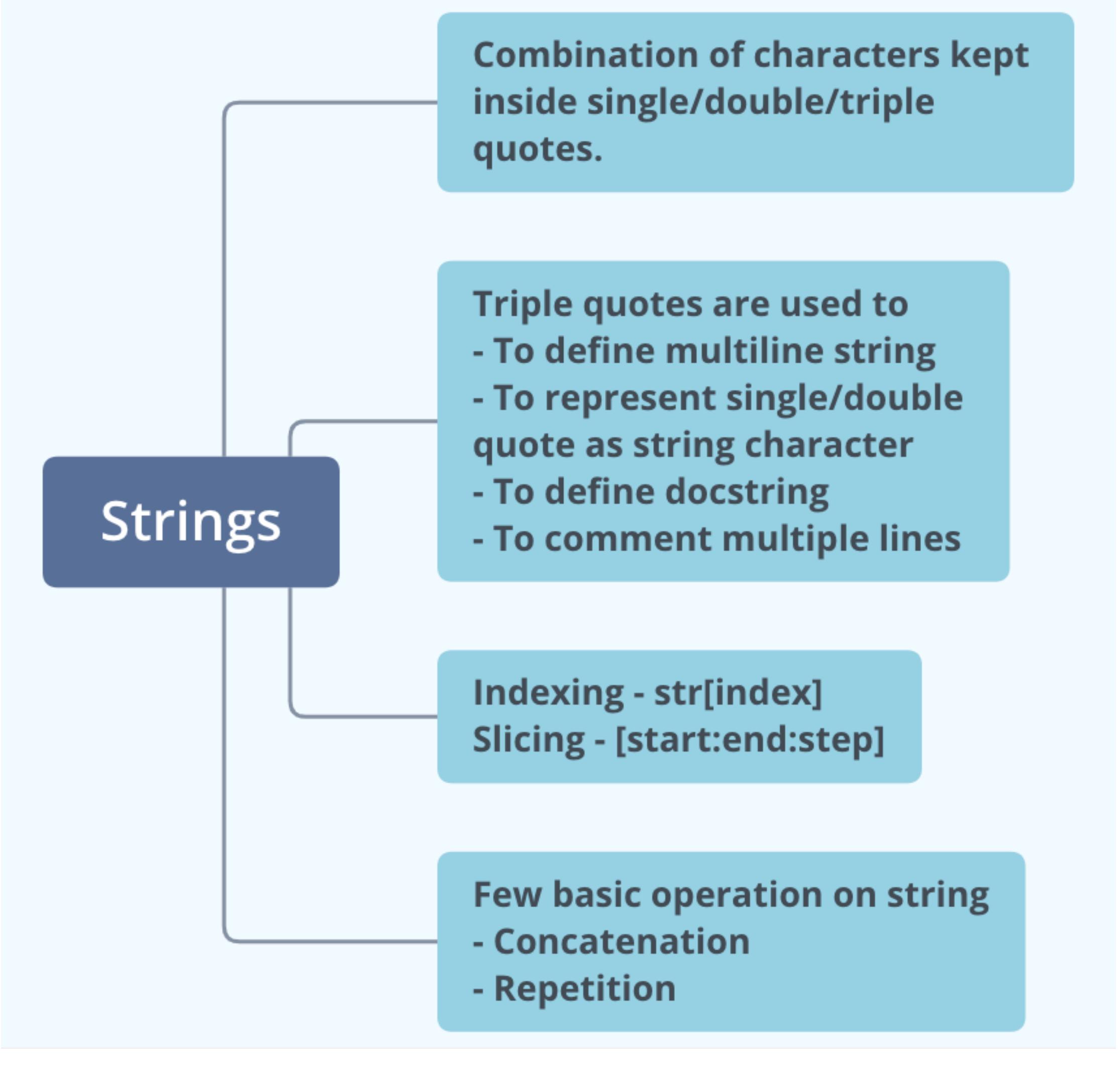
Numbers in python:-

1. Integers
2. Float
3. Complex

Integers in Python



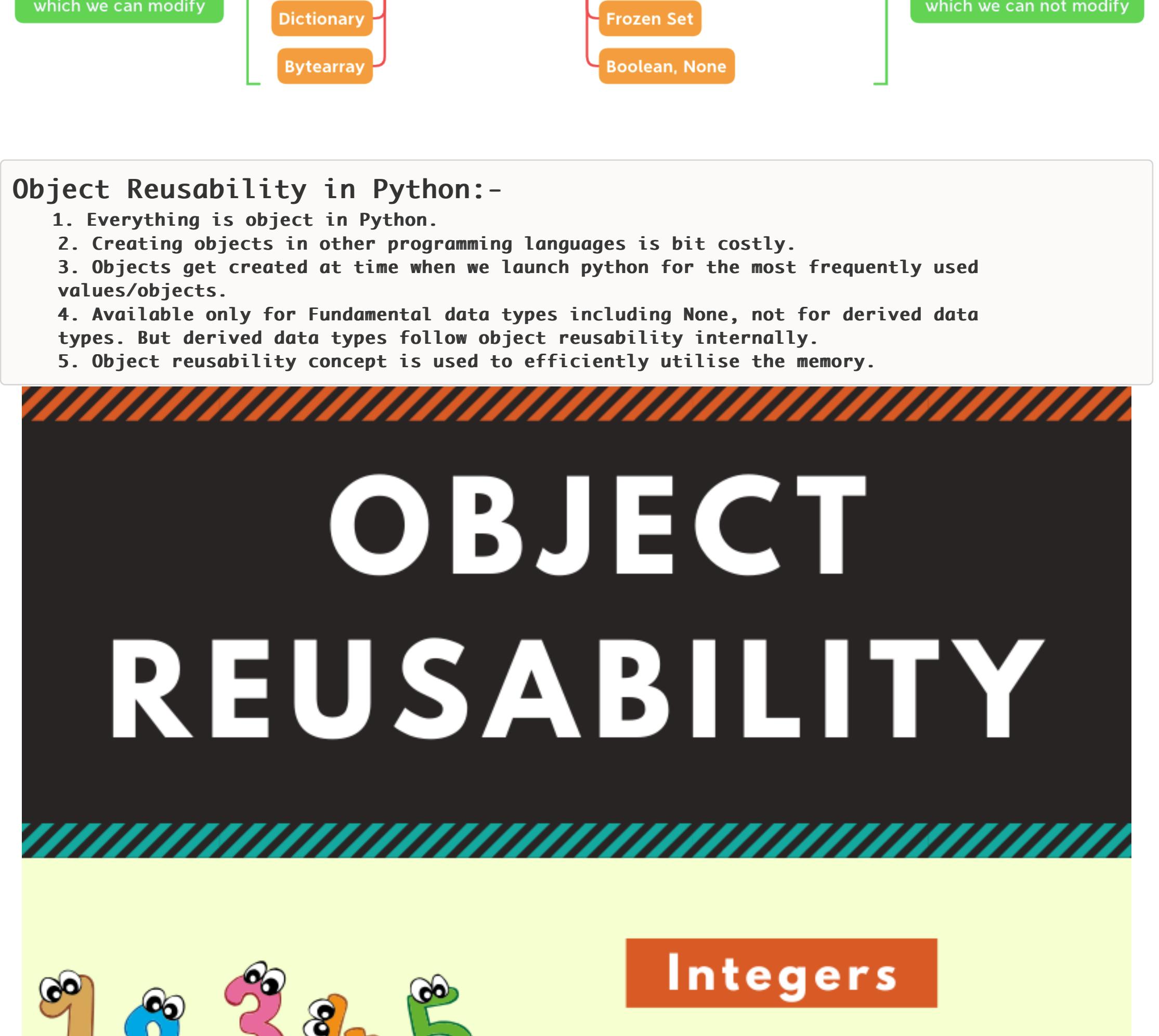
Base conversion:-



Floats in Python:-



Complex numbers in Python



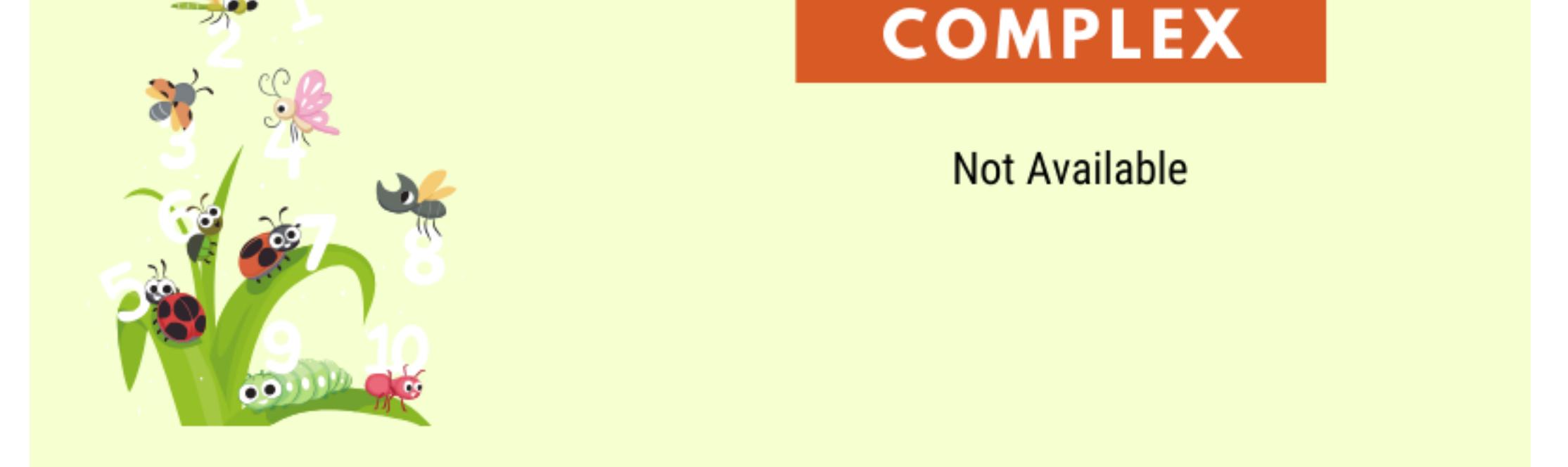
Boolean Data Type in Python

Boolean in Python

True
False

True - 1
False - 0

- Except 0 everything is True
- Except empty string everything is True



Object Reusability in Python:-

1. Everything is object in Python.
2. Creating objects in other programming languages is bit costly.
3. Objects get created at time when we launch python for the most frequently used values/objects.
4. Available only for Fundamental data types including None, not for derived data types. But derived data types follow object reusability internally.
5. Object reusability concept is used to efficiently utilise the memory.

1

2

3

4

5

6

7

8

9

10

Integers

- Only in the range from 0 to 256.

FLOAT

Not Available

1 2 3

COMPLEX

Not Available

STRINGS

- Available only for alphabetical characters.
- Not available for special characters.



Boolean

- Available for True and False