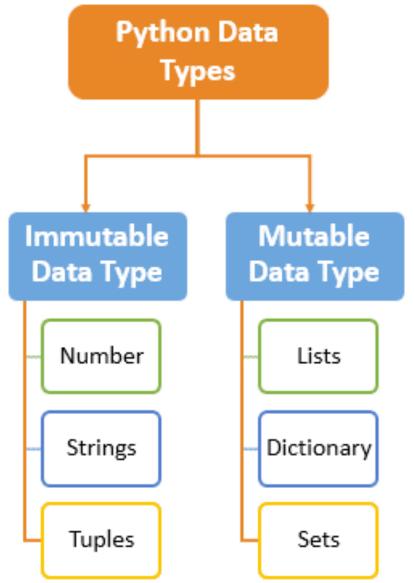# Python Lesson 2

Data Types

- Data types
- String functions

What are data types?

"unable to be changed"
- **Static once set**
- **Erase one state to get a new one**

"able to be changed"
- **Can be changed by adding or removing parts**

Examples of immutable data types

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**
Strings	str	Ordered sequence of characters: **"hello" 'Sammy' "2000" "楽しい"**
Lists	list	Ordered sequence of objects: **[10,"hello",200.3]**
Dictionaries	dict	Unordered Key:Value pairs: **{"mykey" : "value" , "name" : "Frankie"}**
Tuples	tup	Ordered immutable sequence of objects: **(10,"hello",200.3)**
Sets	set	Unordered collection of unique objects: **{"a","b"}**
Booleans	bool	Logical value indicating **True** or **False**

Lesson 3

Divided over 4 lessons
- **Strings**
- **Lists**
- **Dictionaries**
- **Arrays**