

Iaac

Institute for
advanced
architecture
of Catalonia

BARCELONA

COMPUTER PROGRAMMING WITH PYTHON
MASTER PRE-COURSE SERIES
2021/2022

FACULTY DIEGO PAJARITO & SOROUSH GARIVAN

Simple types

Basic building blocks to start using the memory

```
integer_var = 1
float_var = 1.23
char_var = 'c'
string_var = 'more than one
character'
boolean_var = True

date_var ??
```

Complex types

Data structures for enhancing python capabilities

[]

[1, 2, 3]

A collection which is ordered and changeable.
Allows duplicate members.

{ }

{'a': 1, 'b': 2, 'c': 3}

{'l1': 'x', 'l2': 'y', 'l3': 'z'}

A collection which is unordered, changeable and indexed. No duplicate members.

()

('One', 'Two', 3)

(1, 'B', 3)

A collection which is ordered and unchangeable.
Allows duplicate members.

Why complex?

Multiple use cases are now possible

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