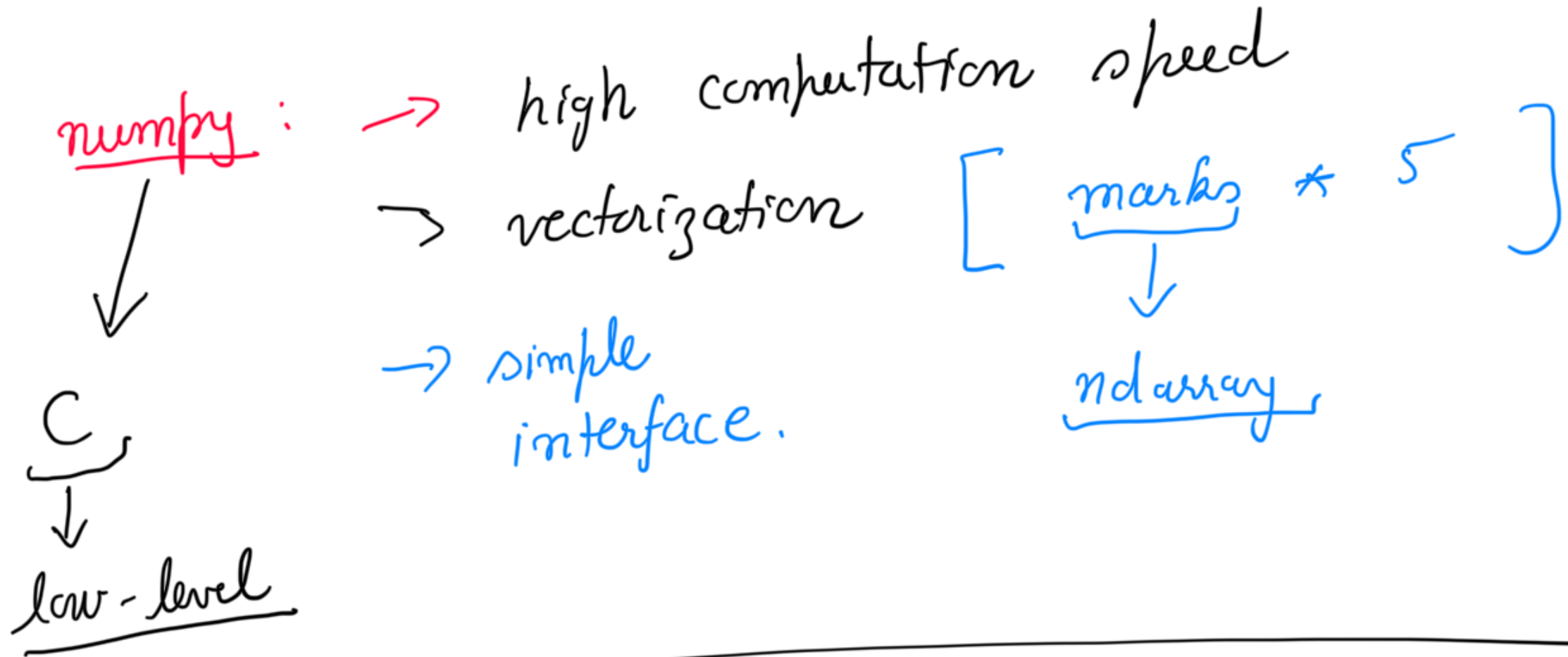


# Pandas :



numpy  $\rightarrow$  homogeneous  $\rightarrow$   
 $\downarrow$   
 $[ \text{only 1 type of data} ]$

id	sub	marks	name	pass
1	1	1	1	1

heterogeneous

↓  
multiple data  
types.

int	string	float	string	isool
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→ Pandas

↳ inspired by numpy (wrapper)

numpy

↓  
nd array

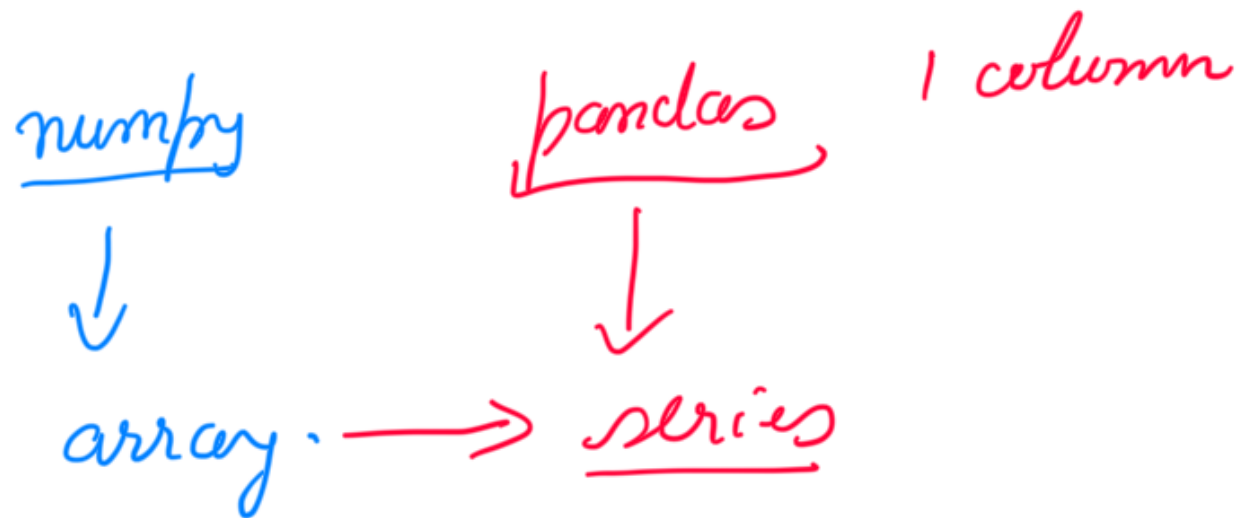
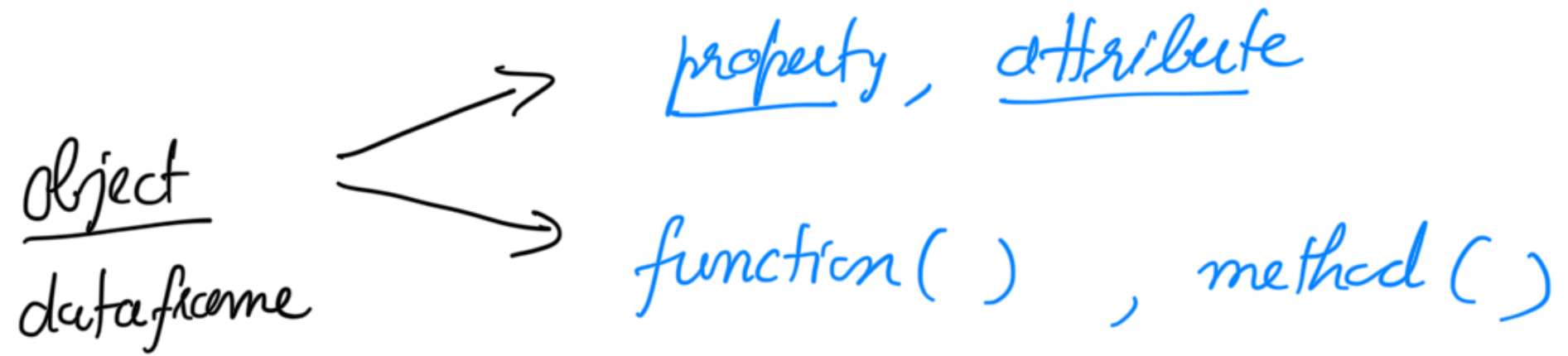
python

↓

dataframe (table : rows and  
column)

... .. separated value.

CSV : comma



pandas.  
↓

object

← 'str'

life.exp

life.exp.min()

