**collections.namedtuple**

from collections import namedtuple

* module directory -> collections
* module name -> namedtuple

from normal tuple,

* color = (45, 60, 123)

45 is color red

60 is color green

123 is color blue

Color represents RGB

But when we access tuple

We do like this

* color[0]

which is not informative.

When we come after months ,we don’t know what is tuple is for

What is color values are for ?

One Solution can be ‘dictionary’

* dict\_color = {‘red’:45, ‘green’:60, ‘blue’:123}
* dict\_color[‘red’]

45

This is actually more complex, because

1. it requires more type
2. Not tuple, it is dictionary
3. can’t perform color[0]

Solution :

namedTuple

Syntax :

* Color = namedtuple(‘Color’, [‘red, ‘geeen’, ‘blue’})
* color = Color(45, 60, 123)
* color

Color(red=45, green=60, blue=123)

which is more readable

when access element red

* color[0]

45

* color.red

45