

Exemple d'utilisation de namedtuple

L'utilisation de namedtuple peut s'avérer plus rapide que la définition de classes (objets)

```
<sxh python; title : namedtuple-chemical_elements-01.py> #!/usr/bin/env python # -*- coding: utf-8 -
*_
```

```
from collections import namedtuple
```

```
ChemEl = namedtuple('Element', 'name atomic_number symbol group period atomic_weight') # same
as defining a class for elements
```

```
hydrogen = ChemEl('hydrogen', 1, 'H', 1, 1, 1.008) helium = ChemEl('helium', 2, 'He', 18, 1,
4.002602)
```

```
print(hydrogen.atomic_weight) print(hydrogen.symbol)
```

```
print(hydrogen, type(hydrogen)) print(helium)
```

```
</sxh>
```

Références

Module collections :

- <https://docs.python.org/2/library/collections.html>
- <https://docs.python.org/3/library/collections.html>
- <https://docs.python.org/3/library/collections.html#collections.namedtuple>

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