

# Exemple d'utilisation de namedtuple

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

[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)
```

## 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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