## Subclass Registration

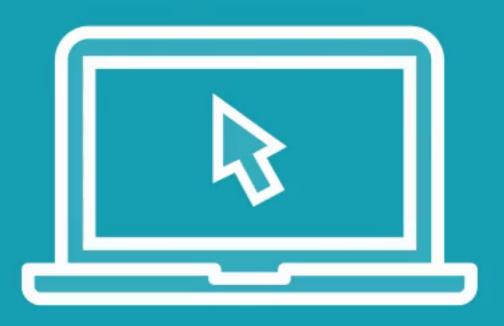


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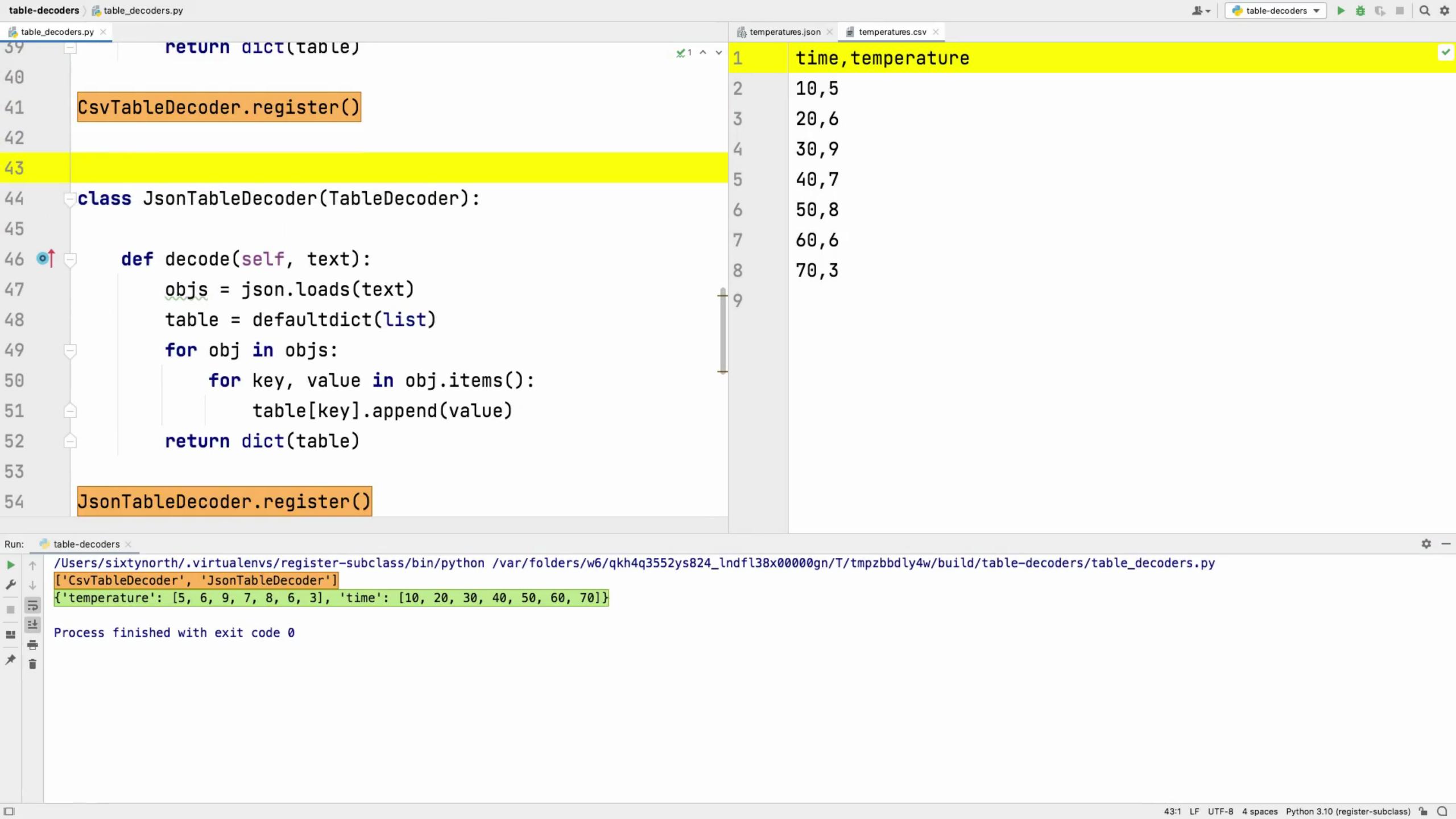
### Demo



#### Situate in historical context

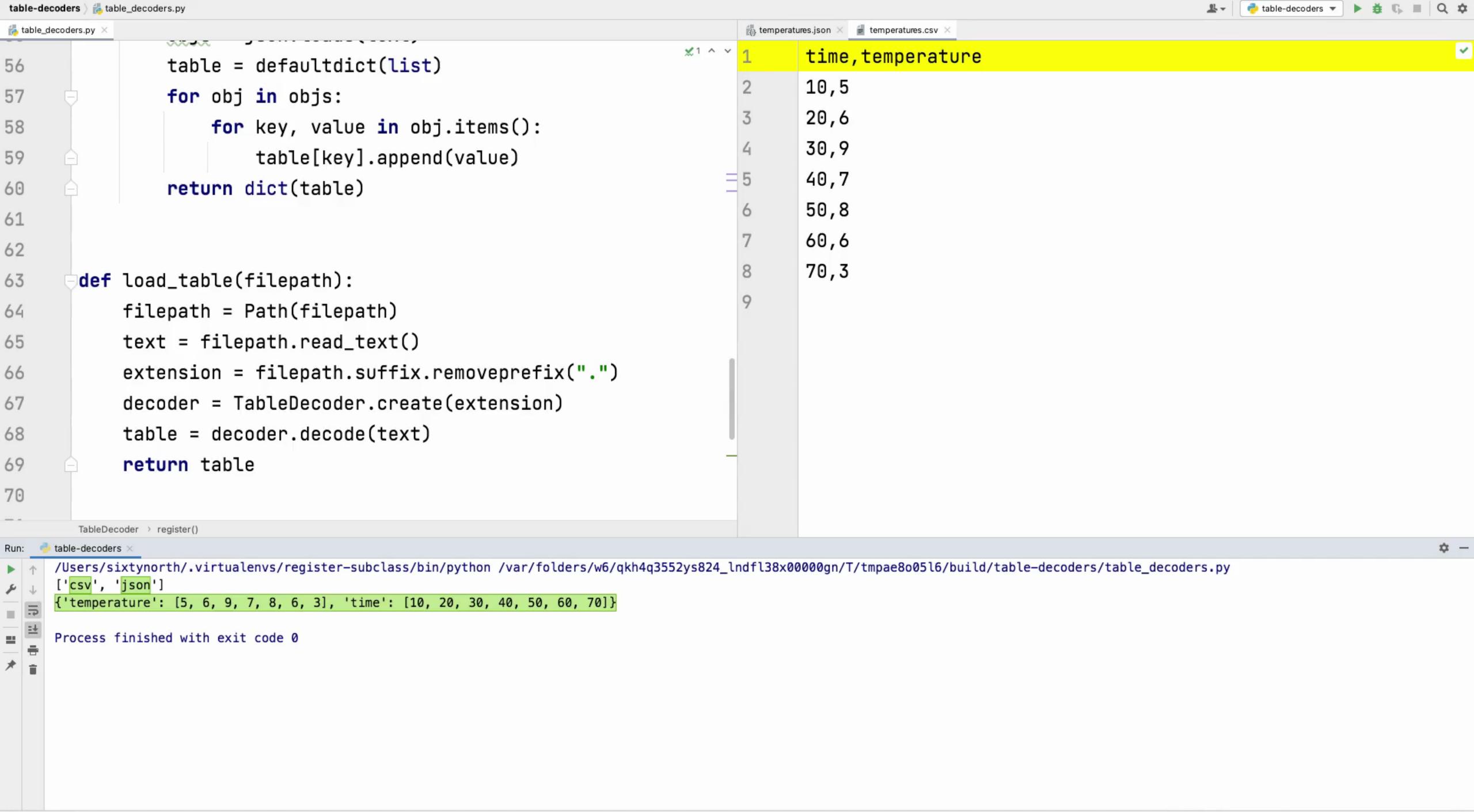
#### Subclass registration

- Widely accomplished with metaclasses
- Led to new feature \_\_init\_subclass\_\_

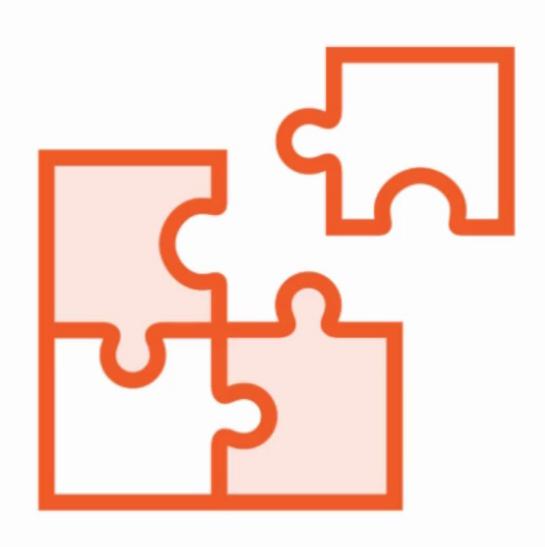


# Strong coupling is often a sign of a weak design.





## Extensibility



Extensible modular system

Add behaviour only by adding code

No modification of existing code

Discover and import modules

Plug-in architecture

Subclass Registration with \_\_init\_subclass\_\_

## \_\_init\_subclass\_\_(cls)

This method is called whenever the containing class is subclassed. cls is then the new subclass.

Python documentation

