Chem App for Python- newest developments

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The Python interface for ChemApp is constructed in a way that the basic module mirrors the C/Fortran interface, while the friendly module goes beyond the capabilities of the basic module to provide more pythonic and comfortable functionalities for users that want to combine the power of the thermochemical library with the wide possibilities of Python.

With the new additions to ChemApp for Python, we facilitated and expanded the functionality of stream calculations, which allow much more comprehensive and rich process modelling, which will be presented with an example. The example will be used to illustrate the combination of the monolithic singleton instance computing of ChemApp and how it allows to work in object oriented concepts.

Furthermore, a new way to input incoming amounts is demonstrated with some explanation of the underlying mechanisms, as well as a brief introduction to the added classes and functions that expand ChemApp for Python.

These new developments will be released with the new ChemApp for Python version soon.