
CompThermo

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GENERAL PURPOSE

The purpose of this tool is to convert a *yaml* file into a file usable for multiple-choice questions in LMS. The code also creates latex file as needed.

INSTALLATION

There is no installation needed other than making sure that you have a working Latex environment in place

YAML FORMAT

This is a simple example:

```
- Type: MC
  Text: >-
    In the screencast we derived an expression for the Fermi-Dirac distribution
    using the grand canonical ensemble. What is the grand canonical ensemble?
  Size: Auto
  Points: 2
  Answers:
    - >-
      The ensemble of systems with fixed energy and entropy.
    - >-
      The ensemble of systems with fixed energy and chemical potential.
    - >-
      The ensemble of systems with fixed temperature and chemical potential.
  Validity:
    - incorrect
    - incorrect
    - correct
  Quiz: lecture 29
```

We can also write latex formula, something like:

```
Since Pythagoras, we know that :math:`a^2 + b^2 = c^2`.
```

to write something like:

Since Pythagoras, we know that $a^2 + b^2 = c^2$.

Or we can write full line using:

```
.. math:: (a + b)^2 = a^2 + 2ab + b^2 \oint x^{i^h}
```

To yield:

$$(a + b)^2 = a^2 + 2ab + b^2 \oint x^{i^h}$$

This is a simple example:

```
import math
print 'import done'
```