Dimensions of Languages:
Python:
- High or Low language
  ↳ ex: Square roots are already in, where as
    in low level language we have to define it

- General or Targeted language
  Matlab is targeted to Math (Matrices, integrals, ...)

- Interpreted vs. compiled language
  Interpreted lang: source code → checker →
    interpreter → output
  Compiled lang: source code → checker/compiler
    → object code → interpreter → output

Python gives a
ton of help   Syntax: which sequences of characters and symbols
                   constitute a well-formed string
                      "cat dog hat" = means nothing is a sequence

Python gives a
little help   Static semantics: well which well-formed strings have a
                      meaning
                      "My desk name is Thor"

Python gives   Semantics: what that meaning is of the code
no help