1/8/2020 Untitled Document

Prolog cheat sheet

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Facts:
      sunny.
      mortal(socrates).
      loves(john, mary).
      likes(_, ice_cream). /* _ means "don't care" /*
Rules:
      hot :- summertime.
      mortal(X) :- man(X).
      loves(chuck, F) :- female(F), rich(F).
      smaller(x, y) :- larger(y, x).
Queries: Same format as facts or rules.
Strings: Use single (not double) quotes. To put a single quote inside a string, type it twice, or backslash it.
Lists:
      [] is the empty list.
      [1, 2, 3] is the list whose head is 1 and whose tail is [2, 3].
      [H | T] is the list whose head is H and whose tail is T.
Operators:
           and
           or
     \+
           not
      = unification
     is evaluate the right hand side, then try to unify
          evaluate boths sides, then try to unify
      ļ
          cut
Built-in predicates:
      consult('path to file')
      write(value)
      nι
      assert(new fact)
      retract(old fact)
```