Pseudocode

Create a list for Energy Sources

Create buttons and fields for:

  - Choosing energy type (Solar, Wind, Hydro)
  - Entering production rate and current demand
  - Adding energy sources
  - Removing energy sources
  - Showing the list of energy sources

EnergySource class:
  - Stores energy type and production rate
  - Shows energy details as a string

SolarPanel, WindTurbine, HydroPlant classes:
  - These are just special energy sources with names and power rates

DistributionGrid class:
  - Stores all the energy sources
  - Method to add a new energy source
  - Method to remove energy source
  - Method to check total power and compare it to demand

EnergySimulatorApp class:
  - Methods for adding/removing energy sources
  - Method to calculate if we have enough power for the demand

Import with Tkinter commands to make code run properly

Main part:
  - Set up window
  - Let the user interact with the app (add/remove sources, check if there's enough power)
  - Run the program's event loop