Carbon Footprint Database

A large portion of the book *How Bad Are Bananas: The Carbon Footprint of Everything* by Mike Berners-Lee, contained information about the carbon footprints of various items and activities. In addition to the carbon dioxide equivalent values (CO2e) provided for all listed items, in some cases, infographics like bar and line graphs were also added to further depict the carbon path of the given item. As a result, it would be useful to compile together all the data and process it in a Python script, in order to be able to compare and observe the carbon footprints of different items and processes. Taking the it a step further, it would be even more useful to have a large database containing the carbon footprints of a vast number of different things, where different carbon footprints can be compared next to each other. In addition, the program should be user-friendly or interactive, meaning a person who does not know how to code should be able to access and compare the data. As a result, the program can be made interactive through the use of an interactive prompt.

Firstly, the program should have access to a database of carbon footprints. The database currently being used only holds from the book *How Bad Are Bananas*. From there, the program prompts the user a selection of items to choose from that they wish to see the carbon footprint of. The selected item will be graphed and their carbon footprint displayed. The program keeps prompting the user until they make the decision to exit by typing in “p”, then hitting enter. In addition, any invalid commands into the prompt will be ignored.

Overall, this program will allow users to see the carbon footprints and carbon paths of several different items and processes side by side, allowing for data comparisons. Hopefully, this will better inform users of carbon footprints and the indirect impacts on the environment that are hardly thought of.