Create the following class representation:

* Create an abstract Reader with methods:
  + read()- abstract method
* Create a CSVReader inheriting from Reader and implementing read()
  + read() – reads the contents of a csv file and returns it as pandas dataframe
* Create a JSONReader inheriting from Reader and implementing read()
  + read() – reads the contents of a json file and returns it as pandas dataframe
* Create DatabaseReader – inheriting from Reader and implementing read()
  + read() – reads a table from a db of your choice and returns it as pandas dataframe
* Create ReaderFactory class with methods:
  + get\_reader(reader\_type: str) – static method that returns the reader based on the type that is passed

Demonstrate how you can read data from the 3 sources through the ReaderFactory.get\_reader(reader\_type: str) method. Have in mind you are not limited to creating only the listed methods, feel free to modularize your code further and improve its design.

Does this class structure look familiar?