**Bondit Exercise**

A portfolio is constructed from several assets (bonds),from each you hold a number of units. The weight of a specific asset in a portfolio is calculated by

Attached is a CSV file containing data about the pricing of the bonds for each trading day:

* Price\_dirty: The price payed for a bond
* Yield: A value indicating how much will my investment in this bond will earn
* Duration: A value representing how sensitive a bond’s yield is to changes in its price

You receive as input a certain portfolio as a json string containing the following fields:

* assets:A list of dictionaries containing the fields:
  + bond\_id – Id of bond in the DB
  + units – number of units of the bond in the portfolio.

Write using **OOP** a program that will return a json string containing the following fields:

* portfolio\_holding\_value – The total monetary value of the portfolio
* portfolio\_duration – The sum of the duration fieldnormalized by the bonds weights
* portfolio\_total\_return – The total yield the portfolio returnsnormalized by the bonds weights

Notes:

1. Besides the main function, all functions should be object methods
2. Some of the data in the table is missing. Your code needs to handle these cases (ignore these bonds in the normalization)