PART – 3

1. Use the NYSE database to find the average price of stock_price_high values for each stock using MapReduce.(.bat file(nyse) is provided in the folder)

2. Part 3.1 result will not be correct as AVERAGE is a commutative operation but not associative. Use a FINALIZER to find the correct average.

PART - 4

Calculate the average stock price of each price of all stocks using $avg aggregation.

```
NYSE> db.stocks.aggregate([
...    {
...       $group: {
...          _id: "$stock_symbol",
...          averagePrice: { $avg: "$stock_price_high" }
...       }
...    }
... ]);
[
  { _id: 'MJV', averagePrice: 24.411664948453605 },
  { _id: 'ABB', averagePrice: 12.583610986042324 },
  { _id: 'AJG', averagePrice: 29.47727698066126 },
  { _id: 'NAI', averagePrice: 21.59751867219917 },
  { _id: 'SLT', averagePrice: 15.066436090225565 },
  { _id: 'VMC', averagePrice: 62.970773510409195 },
  { _id: 'PSS', averagePrice: 35.920239193083574 },
  { _id: 'BDC', averagePrice: 23.87252334152334 },
  { _id: 'XFL', averagePrice: 25.740138017565872 },
  { _id: 'BAK', averagePrice: 14.949271095152604 },
  { _id: 'NE', averagePrice: 30.69579736211031 },
  { _id: 'JEC', averagePrice: 41.17475860704393 },
  { _id: 'LOR', averagePrice: 16.71710843373494 },
  { _id: 'SHO', averagePrice: 19.704212893553223 },
  { _id: 'CHE', averagePrice: 32.78927269345238 },
  { _id: 'TYG', averagePrice: 29.51914438502674 },
  { _id: 'VMO', averagePrice: 13.360033723021584 },
  { _id: 'VMW', averagePrice: 47.90546325878594 },
  { _id: 'KVT', averagePrice: 24.412992471769133 },
  { _id: 'FMO', averagePrice: 19.527271317829456 }
]
Type "it" for more
NYSE> |
```