**Mapper:**

function () {

emit(this.stock\_symbol, {stock\_symbol: this.stock\_symbol, price: this.stock\_price\_high, count: 1});

**Reducer:**

function (key, values) {

sum = 0;

countSum = 0

values.forEach(function(element){

sum += element.price;

countSum += element.count;

});

var avg = sum / countSum;

return {stock\_symbol: key, price: sum, count: countSum };

}

**Finalizer:**

function (key, value){

return {sum: value.price, count: value.count, avg: value.price / value.count};

}

> db.stocks.mapReduce(nyseMap, nyseReduce, {out: "avg", finalize: nyseFinalize}).find();

{ "\_id" : NaN, "value" : { "sum" : 38560.66000000021, "count" : 2687, "avg" : 14.350822478600747 } }

{ "\_id" : "AA", "value" : { "sum" : 635234.290000002, "count" : 12109, "avg" : 52.459682054670246 } }

{ "\_id" : "AAI", "value" : { "sum" : 41369.05000000041, "count" : 3933, "avg" : 10.518446478515234 } }

{ "\_id" : "AAN", "value" : { "sum" : 83717.14999999902, "count" : 4218, "avg" : 19.847593646277623 } }

{ "\_id" : "AAP", "value" : { "sum" : 92036.46000000005, "count" : 2058, "avg" : 44.721311953352796 } }

{ "\_id" : "AAR", "value" : { "sum" : 50557.92000000018, "count" : 2632, "avg" : 19.208936170212834 } }

{ "\_id" : "AAV", "value" : { "sum" : 17935.320000000014, "count" : 1435, "avg" : 12.498480836236944 } }

{ "\_id" : "AB", "value" : { "sum" : 168401.26999999973, "count" : 5495, "avg" : 30.64627297543216 } }

{ "\_id" : "ABA", "value" : { "sum" : 23550.989999999994, "count" : 906, "avg" : 25.99447019867549 } }

{ "\_id" : "ABB", "value" : { "sum" : 27948.20000000001, "count" : 2221, "avg" : 12.583610986042329 } }

{ "\_id" : "ABC", "value" : { "sum" : 178398.48000000103, "count" : 3733, "avg" : 47.78957406911359 } }

{ "\_id" : "ABD", "value" : { "sum" : 17718.60000000001, "count" : 1127, "avg" : 15.721916592724055 } }

{ "\_id" : "ABG", "value" : { "sum" : 30611.2300000001, "count" : 1984, "avg" : 15.429047379032308 } }

{ "\_id" : "ABK", "value" : { "sum" : 240267.1700000026, "count" : 4682, "avg" : 51.31720845792452 } }

{ "\_id" : "ABM", "value" : { "sum" : 158110.459999997, "count" : 6446, "avg" : 24.528461061122712 } }

{ "\_id" : "ABR", "value" : { "sum" : 26724.670000000002, "count" : 1450, "avg" : 18.430806896551726 } }

{ "\_id" : "ABT", "value" : { "sum" : 326329.2000000044, "count" : 6772, "avg" : 48.188009450679914 } }

{ "\_id" : "ABV", "value" : { "sum" : 105043.44000000024, "count" : 3284, "avg" : 31.986431181486065 } }

{ "\_id" : "ABVT", "value" : { "sum" : 74779.0200000001, "count" : 1520, "avg" : 49.196723684210596 } }

{ "\_id" : "ABX", "value" : { "sum" : 142971.0100000008, "count" : 6303, "avg" : 22.68300967793127 } }