Microsoft Windows [Version 10.0.19044.1889]

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C:\Users\admin>mongosh

Current Mongosh Log ID: 6707a1b7824e9a5f893dc97d

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.0.2

Using MongoDB: 7.0.2

Using Mongosh: 2.0.2

mongosh 2.3.2 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

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The server generated these startup warnings when booting

2024-10-07T14:02:11.786+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

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test > db.createCollection("flipkart")

{ ok: 1 }

# Insert documents

test > db.products.insertMany([

{ name: "Gaming Laptop", category: "Electronics", price: 1500, stock: 15 },

{ name: "Wireless Headphones", category: "Electronics", price: 300, stock: 40 },

{ name: "Smartwatch", category: "Electronics", price: 250, stock: 25 },

{ name: "Sofa", category: "Furniture", price: 1200, stock: 8 },

{ name: "Coffee Table", category: "Furniture", price: 200, stock: 12 }

])

{ acknowledged: true, insertedIds: [ <ObjectId1>, <ObjectId2>, <ObjectId3>, <ObjectId4>, <ObjectId5> ] }

const mapFunction = function() {

emit(this.category, this.stock);

};

const reduceFunction = function(key, values) {

return Array.sum(values);

};

# Run MapReduce

test > db.products.mapReduce(

... mapFunction,

... reduceFunction,

... { out: "product\_stock\_by\_category" }

... )

{

result: "product\_stock\_by\_category",

ok: 1,

stats: {

inputCount: 5,

emitCount: 5,

outputCount: 2,

executionTimeMillis: 10,

raw: {

time: 0,

bytesIn: 163,

bytesOut: 104

}

}

}

# View the results

test > db.product\_stock\_by\_category.find()

{ \_id: "Electronics", value: 100 }

{ \_id: "Furniture", value: 15 }