For each month find the city with highest income - MapReduce

db.purchases.mapReduce( function() {

var monthNames = ["January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December"];

var datum = new Date(this.date);

var kluch = monthNames[datum.getMonth()];

var vrednost = { suma: this.sum, mesto: this.place }; emit(kluch, vrednost);

}, function(key,values) {

var rez = new Object({ lista: []}); for(var i=0;i<values.length;++i)

{

var flag = false;

for(var j=0;j<rez.lista.length;++j)

{

if(rez.lista[j].mesto===values[i].mesto)

{

rez.lista[j].suma+=values[i].suma; flag = true;

break;

}

}

if(flag==false)

{

var obj = {};

obj.mesto = values[i].mesto; obj.suma = values[i].suma; rez.lista.push(obj);

}

}

return rez; }, {

out:"rezultat" ,

finalize: function (key, reducedVal) { if(!reducedVal.hasOwnProperty('lista'))

{

reducedVal.maxMesto = reducedVal.mesto; reducedVal.maxSuma = reducedVal.suma;

}

else

{

var maxBrojce = 0; var maxMesto = "";

for(var j=0;j<reducedVal.lista.length;++j)

{

if(reducedVal.lista[j].suma>maxBrojce)

{

maxBrojce = reducedVal.lista[j].suma; maxMesto = reducedVal.lista[j].mesto;

}

}

reducedVal.maxMesto = maxMesto; reducedVal.maxSuma = maxBrojce;

}

return reducedVal;

}

}

).find()