> db.orders11.insert({"Cust\_id":"a11","Order\_date":newDate("oct 04,2012"),"Status":"A","Price":25,"Gender":"M","Rating":2})

Mon Oct 7 08:51:20.458 ReferenceError: newDate is not defined

> db.orders11.insert({"Cust\_id":"a11","Order\_date":new Date("oct 04,2012"),"Status":"A","Price":25,"Gender":"M","Rating":2})

> db.orders11.insert({"Cust\_id":"a12","Order\_date":new Date("may 06,2015"),"Status":"P","Price":35,"Gender":"F","Rating":3})

> db.orders11.insert({"Cust\_id":"a105","Order\_date":new Date("jun 14,2017"),"Status":"A","Price":55,"Gender":"M","Rating":2.5})

> db.orders11.insert({"Cust\_id":"a80","Order\_date":new Date("dec 31,2013"),"Status":"P","Price":350,"Gender":"F","Rating":5})

> db.orders11.insert({"Cust\_id":"a40","Order\_date":new Date("mar 22,2016"),"Status":"A","Price":650,"Gender":"M","Rating":4.5})

> db.orders11.find().pretty()

{

"\_id" : ObjectId("5d9aaf708f0a6f7885d6cc1b"),

"Cust\_id" : "a11",

"Order\_date" : ISODate("2012-10-03T18:30:00Z"),

"Status" : "A",

"Price" : 25,

"Gender" : "M",

"Rating" : 2

}

{

"\_id" : ObjectId("5d9aafb18f0a6f7885d6cc1c"),

"Cust\_id" : "a12",

"Order\_date" : ISODate("2015-05-05T18:30:00Z"),

"Status" : "P",

"Price" : 35,

"Gender" : "F",

"Rating" : 3

}

{

"\_id" : ObjectId("5d9aafe78f0a6f7885d6cc1d"),

"Cust\_id" : "a105",

"Order\_date" : ISODate("2017-06-13T18:30:00Z"),

"Status" : "A",

"Price" : 55,

"Gender" : "M",

"Rating" : 2.5

}

{

"\_id" : ObjectId("5d9ab01f8f0a6f7885d6cc1e"),

"Cust\_id" : "a80",

"Order\_date" : ISODate("2013-12-30T18:30:00Z"),

"Status" : "P",

"Price" : 350,

"Gender" : "F",

"Rating" : 5

}

{

"\_id" : ObjectId("5d9ab0dc8f0a6f7885d6cc1f"),

"Cust\_id" : "a40",

"Order\_date" : ISODate("2016-03-21T18:30:00Z"),

"Status" : "A",

"Price" : 650,

"Gender" : "M",

"Rating" : 4.5

}

> db.orders11.mapReduce(function(){emit(this.Cust\_id,this.Price);},function(key,value){return Array.sum(value)},{out:"Result"})

{

"result" : "Result",

"timeMillis" : 128,

"counts" : {

"input" : 5,

"emit" : 5,

"reduce" : 0,

"output" : 5

},

"ok" : 1,

}

> db.Result.find().pretty()

{ "\_id" : "a105", "value" : 55 }

{ "\_id" : "a11", "value" : 25 }

{ "\_id" : "a12", "value" : 35 }

{ "\_id" : "a40", "value" : 650 }

{ "\_id" : "a80", "value" : 350 }

> db.orders11.insert({"Cust\_id":"a40","Order\_date":new Date("mar 22,2016"),"Status":"A","Price":50,"Gender":"M","Rating":4.5})

> db.orders11.insert({"Cust\_id":"a40","Order\_date":new Date("mar 22,2016"),"Status":"A","Price":500,"Gender":"M","Rating":4.5})

> db.orders11.mapReduce(function(){emit(this.Cust\_id,this.Price);},function(key,value){return Array.sum(value)},{out:"Result"})

{

"result" : "Result",

"timeMillis" : 4,

"counts" : {

"input" : 7,

"emit" : 7,

"reduce" : 1,

"output" : 5

},

"ok" : 1,

}

> db.Result.find().pretty()

{ "\_id" : "a105", "value" : 55 }

{ "\_id" : "a11", "value" : 25 }

{ "\_id" : "a12", "value" : 35 }

{ "\_id" : "a40", "value" : 1200 }

{ "\_id" : "a80", "value" : 350 }

> var map=function(){var gen;if(this.Gender=='M')gen="Male";else gen="Female";emit(gen,Cust\_id)};

> var map=function(){var gen;if(this.Gender=='M')gen="Male";else gen="Female";emit(gen,this.Cust\_id)};

> var reduce=function(key,value){var sum=0; value.forEach(function(doc){sum=sum+1});return{total:sum};};

> db.orders11.mapReduce(map,reduce,{out:"Result1"})

{

"result" : "Result1",

"timeMillis" : 32,

"counts" : {

"input" : 7,

"emit" : 7,

"reduce" : 2,

"output" : 2

},

"ok" : 1,

}

> db.Result1.find()

{ "\_id" : "Female", "value" : { "total" : 2 } }

{ "\_id" : "Male", "value" : { "total" : 5 } }

> var map=function(){var Ratings;if(this.Rating>=1 && this.Rating<2)Ratings=1; else if(this.Rating>=2 && this.Rating<3)Ratings=2;else if(this.Rating>=3 && this.Rating<4)Ratings=3; else if(this.Rating>=4 && this.Rating<5 )Ratings=4; else Ratings=5;emit(Ratings,this.Cust\_id);}

> var reduce=function(key,value){var sum=0;value.forEach(function(doc){sum=sum+1});return{total:sum}};

> db.orders11.mapReduce(map,reduce,{out:"Result2"})

{

"result" : "Result2",

"timeMillis" : 12,

"counts" : {

"input" : 7,

"emit" : 7,

"reduce" : 2,

"output" : 4

},

"ok" : 1,

}

> db.Result2.find()

{ "\_id" : 2, "value" : { "total" : 2 } }

{ "\_id" : 3, "value" : "a12" }

{ "\_id" : 4, "value" : { "total" : 3 } }

{ "\_id" : 5, "value" : "a80" }

> var map=function(){var Ratings;if(this.Rating>=1 && this.Rating<2)Ratings=1; else if(this.Rating>=2 && this.Rating<3)Ratings=2;else if(this.Rating>=3 && this.Rating<4)Ratings=3; else if(this.Rating>=4 && this.Rating<5 )Ratings=4; else Ratings=5;emit(Ratings,this.Cust\_id);}

> var reduce=function(key,value){var sum=0,avg=0,ratingsum=0;value.forEach(function(doc){sum=sum+1;ratingsum=ratingsum+key});avg=ratingsum/sum;return{total:avg}};

> db.orders11.mapReduce(map,reduce,{out:"Result2"})

{

"result" : "Result2",

"timeMillis" : 20,

"counts" : {

"input" : 7,

"emit" : 7,

"reduce" : 2,

"output" : 4

},

"ok" : 1,

}

> db.Result2.find()

{ "\_id" : 2, "value" : { "total" : 2 } }

{ "\_id" : 3, "value" : "a12" }

{ "\_id" : 4, "value" : { "total" : 4 } }

{ "\_id" : 5, "value" : "a80" }

> var map=function(){var Ratings;if(this.Rating>=1 && this.Rating<2)Ratings=1; else if(this.Rating>=2 && this.Rating<3)Ratings=2;else if(this.Rating>=3 && this.Rating<4)Ratings=3; else if(this.Rating>=4 && this.Rating<5 )Ratings=4; else Ratings=5;emit(this.Cust\_id,Ratings);}

> var reduce=function(key,value){var sum=0,avg=0,ratingsum=0;value.forEach(function(doc){sum=sum+1;ratingsum=ratingsum+value});avg=ratingsum/sum;return{total:avg}};

> db.orders11.mapReduce(map,reduce,{out:"Result2"})

{

"result" : "Result2",

"timeMillis" : 7,

"counts" : {

"input" : 7,

"emit" : 7,

"reduce" : 1,

"output" : 5

},

"ok" : 1,

}

> db.Result2.find()

{ "\_id" : "a105", "value" : 2 }

{ "\_id" : "a11", "value" : 2 }

{ "\_id" : "a12", "value" : 3 }

{ "\_id" : "a40", "value" : { "total" : NaN } }

{ "\_id" : "a80", "value" : 5 }