

```
test> db.orders.find()
[
  {
    _id: 0,
    name: 'Pepperoni',
    size: 'small',
    price: 19,
    quantity: 10,
    date: ISODate("2021-03-13T08:14:30.000Z")
  },
  {
    _id: 1,
    name: 'Pepperoni',
    size: 'medium',
    price: 20,
    quantity: 20,
    date: ISODate("2021-03-13T09:13:24.000Z")
  },
  {
    _id: 2,
    name: 'Pepperoni',
    size: 'large',
    price: 21,
    quantity: 30,
    date: ISODate("2021-03-17T09:22:12.000Z")
  },
  {
    _id: 3,
    name: 'Cheese',
    size: 'small',
    price: 12,
    quantity: 15,
    date: ISODate("2021-03-13T11:21:39.736Z")
  },
  {
    _id: 4,
    name: 'Cheese',
    size: 'medium',
    price: 13,
    quantity: 50,
    date: ISODate("2022-01-12T21:23:13.331Z")
  },
  {

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    _id: 5,
    name: 'Cheese',
    size: 'large',
    price: 14,
    quantity: 10,
    date: ISODate("2022-01-12T05:08:13.000Z")
  },
  {
    _id: 6,
    name: 'Vegan',
    size: 'small',
    price: 17,
    quantity: 10,
    date: ISODate("2021-01-13T05:08:13.000Z")
  },
  {
    _id: 7,
    name: 'Vegan',
    size: 'medium',
    price: 18,
    quantity: 10,
    date: ISODate("2021-01-13T05:10:13.000Z")
  }
]
test>
db.orders.mapReduce(=>{this.name,this.price},{key,value}=>Array.sum(value),{out:"result"});
DeprecationWarning: Collection.mapReduce() is deprecated. Use an aggregation instead.
See https://docs.mongodb.com/manual/core/map-reduce for details.
{ result: 'result', ok: 1 }
test> db.result.find()

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test> db.orders.mapReduce(=>{this.name,this.price},{key,value}=>{return
Array.sum(value)},{out:"result"});
{ result: 'result', ok: 1 }
test> db.result.find()

test>
db.orders.mapReduce(=>emit(this.name,this.price),(key,value)=>Array.sum(value),{out:"result"
});
{ result: 'result', ok: 1 }
test> db.result.find()

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test> db.orders.mapReduce(function(){return
emit(this.name,this.price)},function(key,value){return Array.sum(value)},{out:"result"});
{ result: 'result', ok: 1 }
test> db.result.find()
[
  { _id: 'Pepperoni', value: 60 },
  { _id: 'Cheese', value: 39 },
  { _id: 'Vegan', value: 35 }
]
test> db.orders.mapReduce(function(){return emit("result",_id)},function(k,v){return
Array.sum(1)},{ out:"result" });
Uncaught:
MongoServerError: MapReduce internal error :: caused by :: ReferenceError: _id is not defined :
@:1:13
test> db.orders.mapReduce(function(){return emit("result",this._id)},function(k,v){return
Array.sum(1)},{ out:"result" });
Uncaught:
MongoServerError: MapReduce internal error :: caused by :: Error: The first argument to
Array.sum must be an array :
Array.sum@src/mongo/shell/types.js:238:15
@:1:29
test> db.orders.mapReduce(function(){return emit("result",this._id)},function(k,v){return
Array.sum(v,1)},{ out:"result" });
{ result: 'result', ok: 1 }
test> db.result.find()
[ { _id: 'result', value: 28 } ]
test> db.orders.mapReduce(function(){return emit("result",1)},function(k,v){return Array.sum(v)},{
out:"result" });
Uncaught:
SyntaxError: Unexpected token, expected ",", (1:53)

> 1 | db.orders.mapReduce(function(){return emit("result",1)},function(k,v){return Array.sum(v)},{
    |                                     ^
    2 |

test> db.orders.mapReduce(function(){return emit("result",1)},function(k,v){return Array.sum(v)},{
out:"result" });
{ result: 'result', ok: 1 }
test> db.result.find()
[ { _id: 'result', value: 8 } ]
test> db.students.find()
[
  {

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    _id: ObjectId("669f47ef61bbe242162b2c19"),
    name: 'Priya',
    age: 24,
    subject: [ 'History', 'Philosophy' ],
    graduated: true,
    hasMaths: false
  },
  {
    _id: ObjectId("669f47ef61bbe242162b2c1b"),
    name: 'Sita',
    age: 25,
    subject: [ 'Math', 'Science' ],
    graduated: false,
    hasMaths: true
  },
  {
    _id: ObjectId("669f494c61bbe242162b2c1c"),
    name: 'Reema',
    age: 21,
    subject: [ 'Math', 'Science' ],
    graduated: false,
    hasMaths: true
  },
  {
    _id: ObjectId("66efbc935d60afa7baa8c9cc"),
    name: 'Soham',
    age: 20,
    subject: [ 'SC', 'DSA' ],
    graduated: false
  }
]
test> db.students.mapReduce(function(){return emit(this.name,this.age)},function(k,v){return
this.v},{out:"result"});
{ result: 'result', ok: 1 }
test> db.result.find()
[
  { _id: 'Sita', value: null },
  { _id: 'Priya', value: null },
  { _id: 'Reema', value: null },
  { _id: 'Soham', value: null }
]

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