

1. `db.business.find({city:"Orlando",state:'FL',is_open:1}, {bid:1, name:1, address:1, _id:0}).sort({"name":1})`
2. `db.user.find({fans:{$gte: 1000}}, {uid:1, name:1, yelping_since:1, fans:1, _id:0}).sort({fans:-1, yelping_since:-1})`
3. `db.business.find({name:"Zoes Kitchen"}, {city:1, state:1, _id:0}).sort({city:1})`
4. `db.business.find({name:{$regex: /coffee/, $options: 'i'}}, {name:1, address:1, _id:0}).sort({name:1})`
5. `db.business.find({postal_code:'30322', has_takeout: 1, is_good_kids: 1}, {bid:1, name:1, address:1, _id:0}).sort({address:-1})`
6. `db.review.find({}, {rid:1, stars:1, useful:1, funny:1, cool:1, _id:0}).sort({useful:-1, cool:-1, funny:-1}).limit(5)`
7. `db.user.find({yelping_since: {$gte: new Date("2020-01-01"), $lte: new Date("2020-12-31")}, fans:{$gte: 1}}, {uid:1, name:1, yelping_since:1, fans:1, _id:0}).sort({yelping_since:-1})`
8. `db.business.aggregate([
 {$match: {city:'Sandy Springs', state:'GA', categories:'Bakeries'}},
 {$group: {_id: null, bakeries:{$sum: 1}}},
 {$project: {_id:0, bakeries: 1}}
])`
9. `db.review.find({stars:1}, {biz_name:1, biz_address:1, biz_city:1, biz_state:1, _id:0}).sort({rts:-1, bid:1}).limit(1)`
10. `db.review.aggregate([
 {$match: {biz_name:'Caribou Coffee', stars: {$gte: 3}}},
 {$group: {_id: null, reviews:{$sum: 1}}},
 {$project: {_id:0, reviews: 1}}
])`
11. `db.review.aggregate([
 {$match: {biz_name:'Farm Burger'}},
 {$group: {_id: {bid: '$bid'},
 bid: {$addToSet: '$bid'},
 city: {$addToSet: '$biz_city'},
 state: {$addToSet: '$biz_state'},
 rating: {$avg: '$stars'}}},
 {$project: {_id:0, bid:1, city:1, state:1, rating: 1}},
 {$sort: {bid: 1}}
])`
12. `db.business.aggregate([
 {$match: {categories: 'Parks'}},
 {$group: {_id: {state: '$state'},
 state: {$addToSet: '$state'},
 parks: {$sum: 1}}},
 {$project: {_id:0, state:1, parks: 1}}
])`

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    {$project: {_id:0, state:1, parks:1}},
    {$sort: {state: 1}}
  ])
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13. db.review.aggregate([
  {$match: {biz_state: 'OR',
    rts: {$gte: new Date('2020-01-01')}}},
  {$group: {_id: {state: '$biz_state'},
    reviews: {$sum: 1}}},
  {$project: {_id:0, reviews:1}}
])
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14. db.review.aggregate([
  {$match: {biz_city: 'Decatur', biz_state: 'GA', categories: 'Restaurants'}},
  {$group: {_id: {bid: '$bid'},
    bid: {$addToSet: '$bid'},
    name: {$addToSet: '$biz_name'},
    address: {$addToSet: '$biz_address'},
    most_recent: {$max: '$rts'},
    rating: {$avg: '$stars'}}},
  {$project: {_id:0, bid:1, name:1, address:1, rating:1}},
  {$sort: {rating: -1, most_recent: -1}},
  {$limit: 5}
])
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15. db.review.aggregate([
  {$match: {biz_state: 'FL',
    biz_city: 'Winter Park'}},
  {$group: {_id: {bid: '$bid'},
    bid: {$addToSet: '$bid'},
    name: {$addToSet: '$biz_name'},
    address: {$addToSet: '$biz_address'},
    reviews: {$sum: 1}}},
  {$match: {reviews: {$gte: 100}}},
  {$sort: {reviews: -1}},
  {$project: {_id:0, bid:1, name:1, address:1}}
])
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16. db.user.aggregate([
  {$group: {_id: {uid: '$uid'},
    uid: {$addToSet: '$uid'},
    name: {$addToSet: '$name'},
    yelping_since: {$addToSet: '$yelping_since'},
    fans: {$addToSet: '$fans'},
    reviews: {$addToSet: {$size: '$reviews'}}}},
  {$match: {reviews: {$gt:75}}},
  {$project: {_id:0, uid:1, name:1, yelping_since:1, fans:1, reviews:1}},
  {$sort: {reviews: -1}}
])
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17. db.review.aggregate([
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{ $match: { biz_city: 'Stone Mountain', biz_state: 'GA', stars: 5 } },
{ $unwind : "$categories" },
{ $group: { _id: { category: '$categories' },
  category: { $addToSet: '$categories' },
  name: { $addToSet: '$name' },
  reviews: { $sum: 1 } } },
{ $project: { _id: 0, category: 1, reviews: 1 } },
{ $sort: { reviews: -1, category: 1 } }
```

])