

Robo 3T - 1.4

test (5)

- System
- config
- shell
- task5
 - Collections (1)
 - lodging
 - Indexes
 - Functions
 - Users

Bezircanci_Eren_Task5.js

test localhost:27017 task5

```
/* QUESTION1 */
db.getCollection('lodging').find({},{"host.name":1,"host.surname":1, "host.age":1, _id:0})

/* QUESTION2 */

db.getCollection("lodging").aggregate([
  { $project: {
    "priceInt": { $toInt : { $substr: [ "$lodging.price", 1, -1 ] } },
    "facilities" : { $size : { $objectToArray: "$lodging.amenities" } }
  }
}]

lodging 0.002 sec.
```

```
1 /* 1 */
2 {
3   "host" : {
4     "name" : "Mason",
5     "surname" : "House",
6     "age" : 37
7   }
8 }
9
10 /* 2 */
11 {
12   "host" : {
13     "name" : "Jamie",
14     "surname" : "Benjamin",
15     "age" : 53
16   }
17 }
18
19 /* 3 */
20 {
```

Logs

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```
/* QUESTION2 */
db.getCollection("lodging").aggregate([
  { $project: {
    "priceInt": { $toInt : { $substr: [ "$lodging.price", 1, -1 ] } },
    "facilities" : { $size : { $objectToArray: "$lodging.amenities" } }
  }
},
{ $sort: {
  "priceInt": 1,
  "facilities" : 1
}
}]

lodging 0.055 sec.
```

```
1 /* 1 */
2 {
3   "_id" : "5bf31f8c7b88516fda6368bb",
4   "priceInt" : 40,
5   "facilities" : 1
6 }
7
8 /* 2 */
9 {
10  "_id" : "5bf31f8dbcccb14df9bf8b78",
11  "priceInt" : 40,
12  "facilities" : 1
13 }
14
15 /* 3 */
16 {
17  "_id" : "5bf31f8d1de882587101157c",
18  "priceInt" : 40,
19  "facilities" : 1
20 }
```

Logs

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```
/* QUESTION3 */
db.getCollection("lodging").aggregate([
  { $match: {
    "isActive": true,
    "registered": { $lte: "2013-03-01" }
  } },
  { $group: {
    "_id": "$lodging.address.state",
    "sum": { $sum: 1 }
  } },
  { $sort: {
    "sum": 1
  } }
])
```

lodging 0.028 sec.

```
1 /* 1 */
2 {
3   "_id" : "Wyoming",
4   "sum" : 25.0
5 }
6
7 /* 2 */
8 {
9   "_id" : "New Mexico",
10  "sum" : 26.0
11 }
12
13 /* 3 */
14 {
15   "_id" : "Utah",
16   "sum" : 26.0
17 }
18
19 /* 4 */
20 {
```

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```
/* QUESTION4 */
db.getCollection("lodging").aggregate([
  { $project: {
    "result": { $cond: { if: { $lte: [ { $size: "$lodging.reviews", 2 } ] },
    then: { "reviews2": "$lodging.reviews" },
    else: {
      "reviews": { $filter: {
        input: "$lodging.reviews",
        as: "el",
        cond: { $eq: [ { "$mod": [ { $indexOfArray: [ "$lodging.reviews", "$$el" ] }, 3 ] }, 2 ] }
      } }
    } }
  } }
])
```

lodging 0.005 sec.

```
1 /* 1 */
2 {
3   "_id" : "5bf31f8c13886298be7b17a0",
4   "result" : {
5     "reviews2" : []
6   }
7 }
8
9 /* 2 */
10 {
11   "_id" : "5bf31f8c4ce009dfb8a3c238",
12   "result" : {
13     "reviews" : [
14       {
15         "reviewer" : "Marlene Cardenas",
16         "date" : "2015-10-15T04:08:21 -02:00",
17         "cleanliness" : 6,
18         "location" : 6,
19         "food" : 1
20       },
```

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* Bezirganca_Eren_Task5.js * db.getCollection('lodging').find()

test localhost:27017 task5

```
/* QUESTIONS */
db.getCollection("lodging").aggregate([
  {$unwind:{
    path: "$lodging.reviews",
    includeArrayIndex: "arrayIndex"
  }},
  {$group:{
    _id: {"cleanliness": "$lodging.reviews.cleanliness", "location": "$lodging.reviews.location", "food": "$lodging.reviews.food"},
    "total": {$sum:1}
  }},
  {$sort:{
    "total":-1
  }}
])
```

lodging 0.069 sec.

```
1 /* 1 */
2 {
3   "_id" : {
4     "cleanliness" : 9,
5     "location" : 2,
6     "Food" : 8
7   },
8   "total" : 6.0
9 }
10
11 /* 2 */
12 {
13   "_id" : {
14     "cleanliness" : 3,
15     "location" : 2,
16     "Food" : 3
17   },
18   "total" : 6.0
19 }
20
```

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* Bezirganca_Eren_Task5.js * db.getCollection('lodging').find()

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```
/* QUESTIONS */
db.getCollection("lodging").aggregate([
  {$match:{
    "lodging.address.state":"Ohio"
  }},
  {$unwind:{
    path: "$lodging.reviews",
    includeArrayIndex: "arrayIndex"
  }},
  {$unwind:{
    path: "$host.languages",
  }}
])
```

lodging 0.032 sec.

```
1 /* 1 */
2 {
3   "_id" : {
4     "id" : "5bf31f8ee33d0c1ff16adc1c",
5     "lang" : "english",
6     "accommodation" : {
7       "price" : "$51",
8       "address" : {
9         "street" : "513 Georgia Avenue",
10        "city" : "Rosewood",
11        "state" : "Ohio",
12        "coordinates" : [
13          -31.840581,
14          -118.581139
15        ]
16      },
17      "amenities" : {
18        "parking" : true,
19        "petsAllowed" : true,
20        "airConditioning" : true,

```