

MONGODB DAY 4 TASK

MongoDB Compass - localhost:27017/Zenclass

Connect Edit View Help

localhost:27017

My Que... user Zenclass company drive mentor task topics attendance

My Queries

Performance

Databases

Search

Guvi

Zenclass

attendance

codeketa

company drive

mentor

task

topics

user

admin

config

local

localhost:27017 > Zenclass

+ Create collection Refresh

Sort by Collection Name

View

attendance

codeketa

company drive

mentor

task

topics

user

Storage size: 4.10 kB

Documents: 3

Avg. document size: 87.00 B

Indexes: 1

Total index size: 4.10 kB

Storage size: 4.10 kB

Documents: 4

Avg. document size: 85.00 B

Indexes: 1

Total index size: 4.10 kB

Storage size: 4.10 kB

Documents: 3

Avg. document size: 144.00 B

Indexes: 1

Total index size: 4.10 kB

Storage size: 4.10 kB

Documents: 3

Avg. document size: 256.00 B

Indexes: 1

Total index size: 4.10 kB

Storage size: 4.10 kB

Documents: 4

Avg. document size: 218.00 B

Indexes: 1

Total index size: 4.10 kB

Storage size: 4.10 kB

Documents: 3

Avg. document size: 87.00 B

Indexes: 1

Total index size: 4.10 kB

Storage size: 4.10 kB

Documents: 11

Avg. document size: 97.00 B

Indexes: 1

Total index size: 4.10 kB

Activate Windows

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My Queries Performance Databases Search

Guvi Zenclass

attendance codeketa company drive mentor task topics user admin config local

localhost:27017 > Zenclass

+ Create collection Refresh

Sort by Collection Name

Collection Name	Storage size	Documents	Avg. document size	Indexes	Total index size
company drive	4.10 kB	3	144.00 B	1	4.10 kB
mentor	4.10 kB	3	256.00 B	1	4.10 kB
task	4.10 kB	4	218.00 B	1	4.10 kB
topics	4.10 kB	3	87.00 B	1	4.10 kB
user	4.10 kB	11	97.00 B	1	4.10 kB

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1. Find all the topics and tasks which are taught in the month of October

Query:

```
db.topics.aggregate([{$lookup:
  {from: "tasks",localField: "topic_id",foreignField: "topic_id",as: "tasks"}},
  {$match: {$or: [{ created_at: { $gte: ISODate("2020-10-01"), $lt: ISODate("2020-11-01") } },
    { "tasks.deadline": { $gte: ISODate("2020-10-01"), $lt: ISODate("2020-11-01")}
  }}}]);
```

2. Find all the company drives which appeared between 15 oct-2020 and 31-oct-2020

Query:

```
db.company_drives.aggregate([
  {$match: {date: { $gte: ISODate("2020-10-15"), $lte: ISODate("2020-10-31") }}}
]);
```

3. Find all the company drives and students who are appeared for the placement.

Query:

```
db.company_drives.aggregate([
  { $lookup: {from: "users", localField: "students_appeared", foreignField: "_id", as: "students"}}
]);
```

4. Find the number of problems solved by the user in codekata

Query:

```
db.codekata.aggregate([
  {$group: {_id: "$user_id", total_problems_solved: { $sum: "$problems_solved" }}}]);
```

5. Find all the mentors with who has the mentee's count more than 15

Query:

```
db.mentors.aggregate([ {$match: {mentee_count: { $gt: 15 }}}]);
```

6. Find the number of users who are absent and task is not submitted between 15 oct-2020 and 31-oct-2020

Query:

```
db.attendance.aggregate([
  {$match: { date: { $gte: new Date("15-10-2020"), $lt: new Date("01-11-2020") },status: "absent"}},
  {$lookup: {from: "tasks", localField: "user_id", foreignField: "user_id", as: "tasks" }},
  {$unwind: "$tasks"},
  {$match: { "tasks.date_assigned": { $gte: new Date("15-10-2020"), $lt: new Date("01-11-2020") },
"tasks.submitted": false}},
  { $group: { _id: "$user_id", count: { $sum: 1 }}}
]);
```