

1. Find all the topics and tasks which are thought in the month of October  
`db.getCollection('Topics').aggregate( [ { $lookup: { from: 'Tasks', localField: 'topic', foreignField: 'task', as: 'Topic Task Data' } }, { $match: { topicDate: { $regex: '2020-10' } } }, { $project: { _id: 0, topic: 1, topicDate: 1, 'Topic Task Data.userId': 1, 'Topic Task Data.submitted': 1, 'Topic Task Data.task': 1 } } ], { maxTimeMS: 60000, allowDiskUse: true } );`
2. Find all the company drives which appeared between 15 oct-2020 and 31-oct-2020  
`db.getCollection('Company_Drives').find({ driveDate: { $gte: '2020-10-15', $lte: '2020-10-31' } });`
3. Find all the company drives and students who are appeared for the placement.  
`db.getCollection('Company_Drives').aggregate( [ { $lookup: { from: 'Users', localField: 'userId', foreignField: 'userId', as: 'studentInfo' } }, { $project: { _id: 0, 'studentInfo.userName': 1, company: 1, driveDate: 1, 'studentInfo.userEmail': 1, 'studentInfo.userId': 1 } } ], { maxTimeMS: 60000, allowDiskUse: true } );`
4. Find the number of problems solved by the user in codekata `db.getCollection('Codekata').aggregate( [ { $group: { _id: 'Total Problem Solved By Users', count: { $sum: '$problemSolved' } } } ], { maxTimeMS: 60000, allowDiskUse: true } );`
5. Find all the mentors with who has the mentee's count more than 15  
`db.getCollection('Mentors').aggregate( [{ $match: { menteeCount: { $gt: 15 } } } ], { maxTimeMS: 60000, allowDiskUse: true } );`
6. Find the number of users who are absent and task is not submitted between 15 oct-2020 and 31-oct-2020 `db.getCollection('Attendance').aggregate( [ { $lookup: { from: 'Topics', localField: 'topicId', foreignField: 'topicId', as: 'Absent' } }, { $lookup: { from: 'Tasks', localField: 'userId', foreignField: 'userId', as: 'Task-notSubmitted' } }, { $unwind: '$Task-notSubmitted' }, { $unwind: '$Absent' }, { $match: { attended: false, 'Absent.topicDate': { $gte: '2020-10-15', $lte: '2020-10-31' } } }, { $match: { 'Task-notSubmitted.dueDate': { $gte: '2020-10-15', $lte: '2020-10-31' }, 'Task-notSubmitted.submitted': false } }, { $project: { _id: 0, 'Absent._id': 0 } }, { $project: { 'task-notSubmitted._id': 0 } } ], { maxTimeMS: 60000, allowDiskUse: true } );`

-User:

MongoDB Compass - localhost:27017/guvizen.students

Connect Edit View Collection Help

localhost:27017

My Queries

students

localhost:27017 > guvizen > students

Documents 2 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Gen](#) [Explain](#) [Reset](#) [Find](#) [Options](#)

[ADD DATA](#) [EXPORT DATA](#) 1 - 2 of 2

```
_id: ObjectId('66b0817f30565b425e601a8f')
userId: 1
userName: "A"
userEmail: "a@gmail.com"
mentorId: 1
```

```
_id: ObjectId('66b081d930565b425e601a92')
userId: 2
userName: "B"
userEmail: "b@gmail.com"
mentorId: 2
```

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-codekata

MongoDB Compass - localhost:27017/guvizen.codekata

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My QueriesPerformanceDatabases

Search

adminconfigguvizencodeketauserlocal

My Queriesuserusercodekata

localhost:27017 > guvizen > codekata

Documents2AggregationsSchemaIndexes1Validation

Type a query: { field: 'value' } or GenExplainResetFindOptions

ADD DATAEXPORT DATA1 - 2 of 2

\_id: ObjectId('66b082f130565b425e601a99')

userId : 1

problemSolved : 13

\_id: ObjectId('66b0830830565b425e601a9b')

userId : 2

problemSolved : 11

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-Attendance

MongoDB Compass - localhost:27017/guvizen.attendance

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localhost:27017

My QueriesPerformanceDatabases

Search

adminconfigguvizenattendancecodeketasuserlocal

My Que...userusercodeketaattendance

localhost:27017 > guvizen > attendance

Documents2AggregationsSchemaIndexes1Validation

Type a query: { field: 'value' } or GenExplainResetFindOptions

ADD DATAEXPORT DATA1 - 2 of 2

\_id: ObjectId('66b0835d30565b425e601a9e')

userId: 1

topicId: 1

attended: true

\_id: ObjectId('66b0837930565b425e601aa0')

userId: 2

topicId: 2

attended: "false"

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-Topics

MongoDB Compass - localhost:27017/guvizen.topics

Connect Edit View Collection Help

localhost:27017

My Que...

guvizen > ...  
user

user

codeketa

attendance

My Queries

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local

localhost:27017 > guvizen > topics

Documents 2 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Gen](#) [Explain](#) [Reset](#) [Find](#) [Options](#)

[ADD DATA](#) [EXPORT DATA](#) 1 - 2 of 2

\_id: ObjectId('66b083ec30565b425e601aa5')

topicId: 1

topic: "HTML"

topicDate: "2020-10-10"

\_id: ObjectId('66b0840630565b425e601aa7')

topicId: 2

topic: "Bootstrap"

topicDate: "2020-10-11"

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-Task

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localhost:27017

My Queries

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- codeketa
- task
- topics
- user

local

topics

user

local

localhost:27017 > guvizen > task

Documents 4 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or Gen Explain Reset Find Options

ADD DATA EXPORT DATA 1 - 4 of 4

```
_id: ObjectId('66b0848730565b425e601aab')
taskId: 1
topicId: 1
userId: 1
task: "HTML"
dueDate: "2020-10-12"
submitted: false
```

```
_id: ObjectId('66b084b230565b425e601aad')
taskId: 1
topicId: 1
userId: 1
task: "HTML"
dueDate: "2020-10-12"
submitted: true
```

submitted: true

```
_id: ObjectId('66b084de30565b425e601aaf')
taskId: 2
topicId: 2
userId: 1
task: "Bootstrap"
dueDate: "2020-10-13"
submitted: false
```

```
_id: ObjectId('66b084f330565b425e601ab1')
taskId: 2
topicId: 2
userId: 2
task: "Bootstrap"
dueDate: "2020-10-13"
submitted: true
```

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-company\_drives

MongoDB Compass - localhost:27017/guvizen.company\_drives

Connect Edit View Collection Help

localhost:27017

My Queries

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- attendance
- codeketa
- company\_drives
- task
- topics
- user

local

My Que...

user

task

company\_drives

localhost:27017 > guvizen > company\_drives

Documents 2 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or Gen Explain Reset Find

ADD DATA EXPORT DATA

1 - 2 of 2

\_id: ObjectId('66b3123930565b425e601ab4')

userId: 1

driveDate: "2020-10-11T00:00:00.000Z"

company: "IBM"

\_id: ObjectId('66b3127530565b425e601ab6')

userId: 2

driveDate: "2020-10-20T00:00:00.000Z"

company: "Wipro"

-mentors

MongoDB Compass - localhost:27017/guvizen.mentors

connect Edit View Collection Help

localhost:27017

My Que...usertaskcompany\_drivesmentors

localhost:27017 > guvizen > mentors

Documents2AggregationsSchemaIndexes1Validation

Type a query: { field: 'value' } or GenExplainResetFind</>Options

ADD DATAEXPORT DATA1 - 2 of 2

\_id: ObjectId('66b3145a30565b425e601ab9')

mentorId : 1

mentorName : "A"

mentorEmail : "A@gmail.com"

\_id: ObjectId('66b3147730565b425e601abb')

mentorId : 2

mentorName : "B"

mentorEmail : "B@gmail.com"

Databases

Search

adminconfigguvizenattendancecodeketacompany\_drivesmentorstasktopicuserlocal