**MongoDB Task**

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

Query:

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 }

);

JSON file Link:

Result:

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

Query:

db.getCollection('company\_drives').find({

driveDate: {

$gte: '2020-10-15',

$lte: '2020-10-31'

}

});

JSON file Link:

Result:

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

Query:

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 }

);

JSON file Link:

Result:

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

Query:

db.getCollection('codekata').aggregate(

[

{

$group: {

\_id: 'Total Problem Solved By Users',

count: { $sum: '$problemSolved' }

}

}

],

{ maxTimeMS: 60000, allowDiskUse: true }

);

JSON file Link:

Result:

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

Query:

db.mentors.find({ mentee\_count: { $gt: 15 } })

JSON file Link:

Result:

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

Query:

JSON file Link:

Result: “Can’t solve this question”