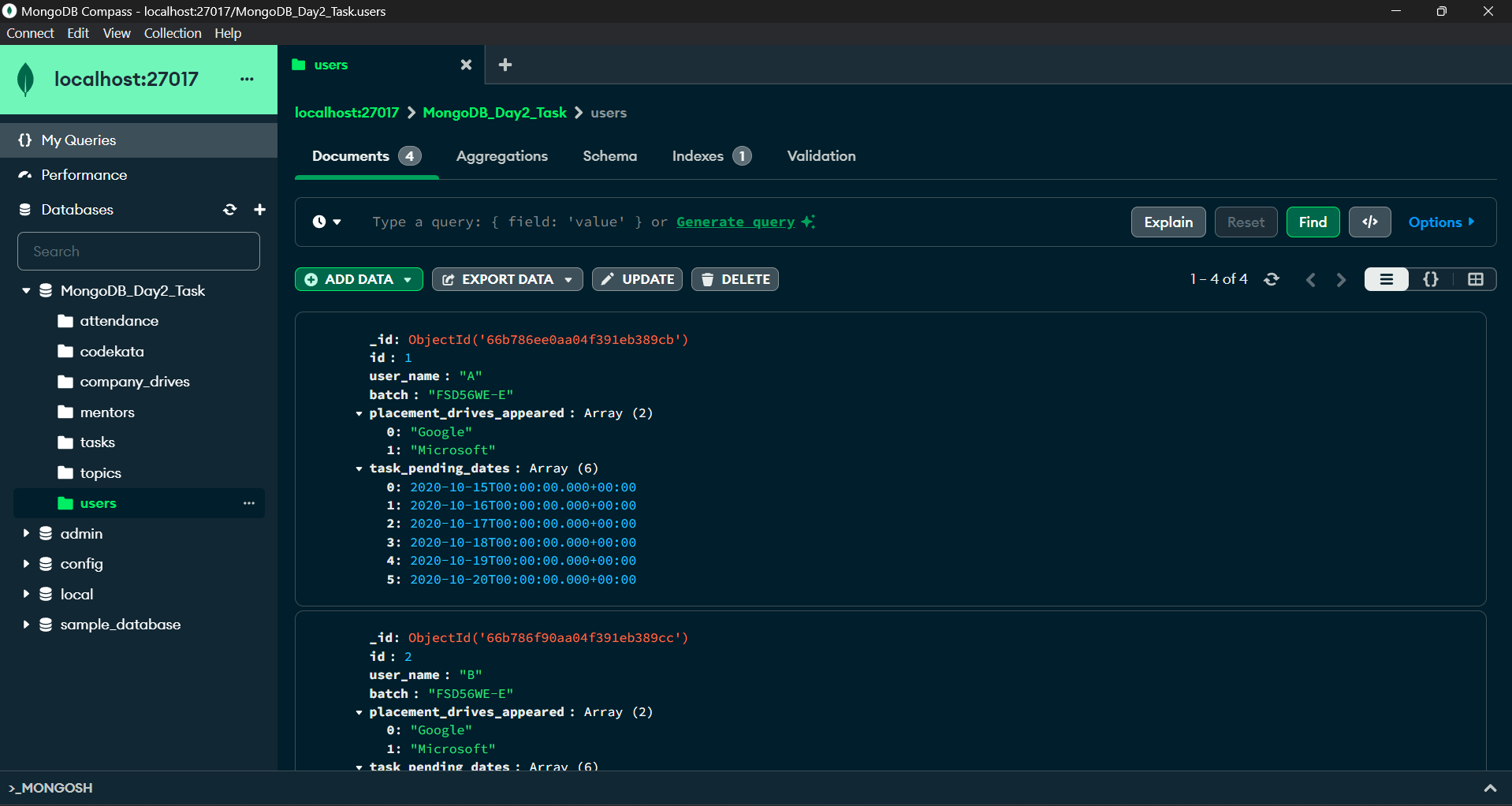
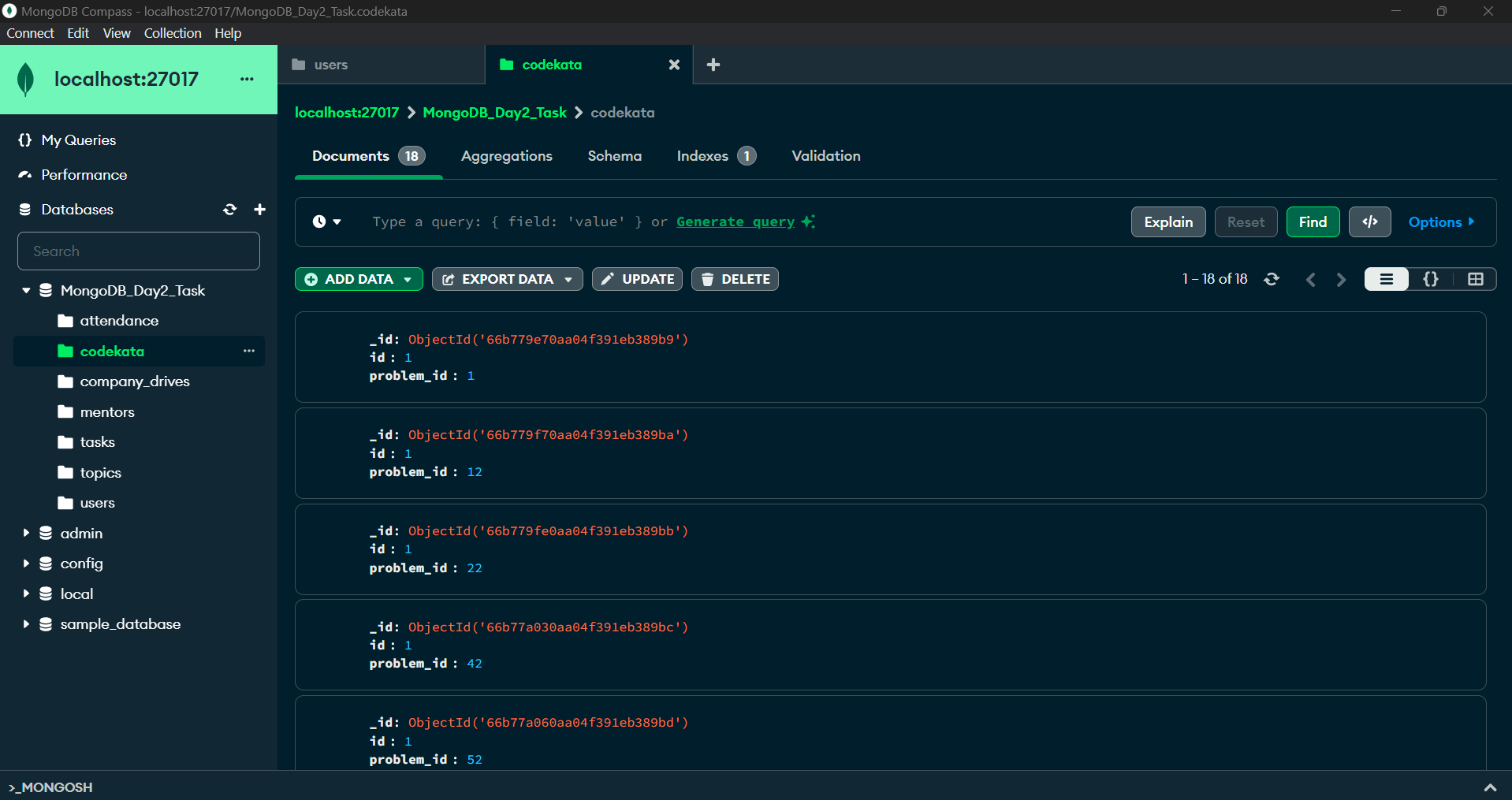
# Mongo DB Day 2 Task

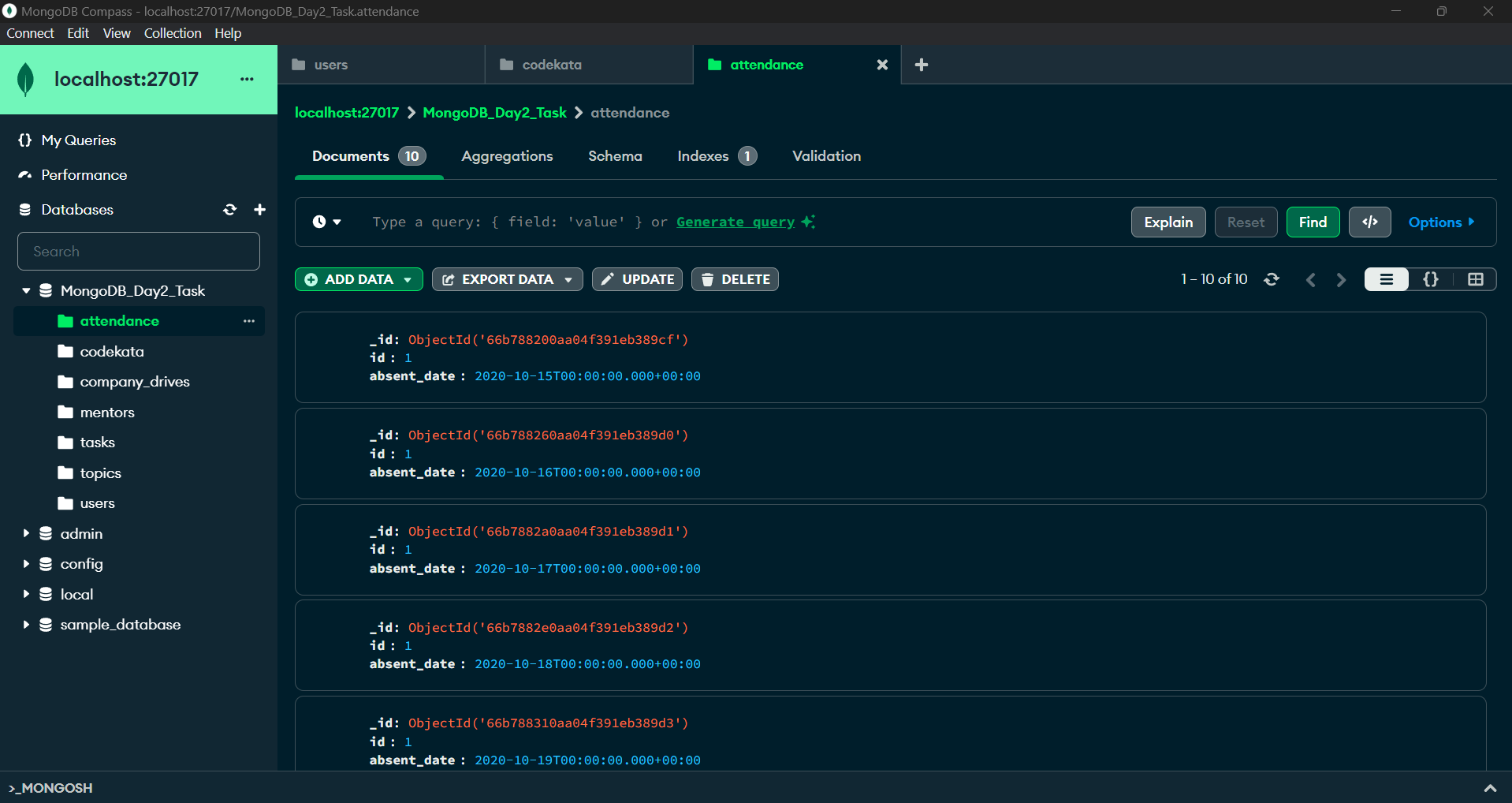
Users collection



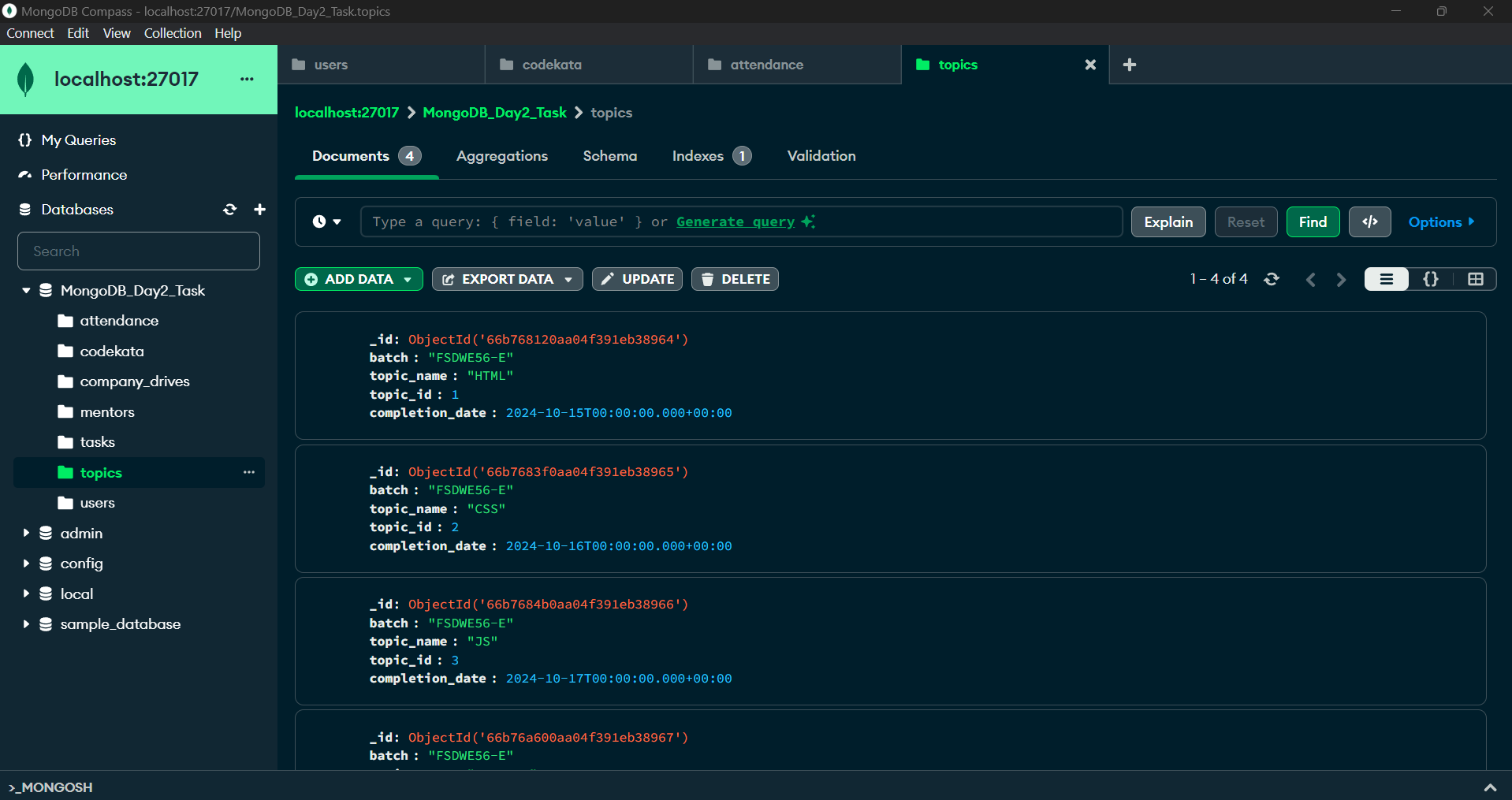
Codekata collection



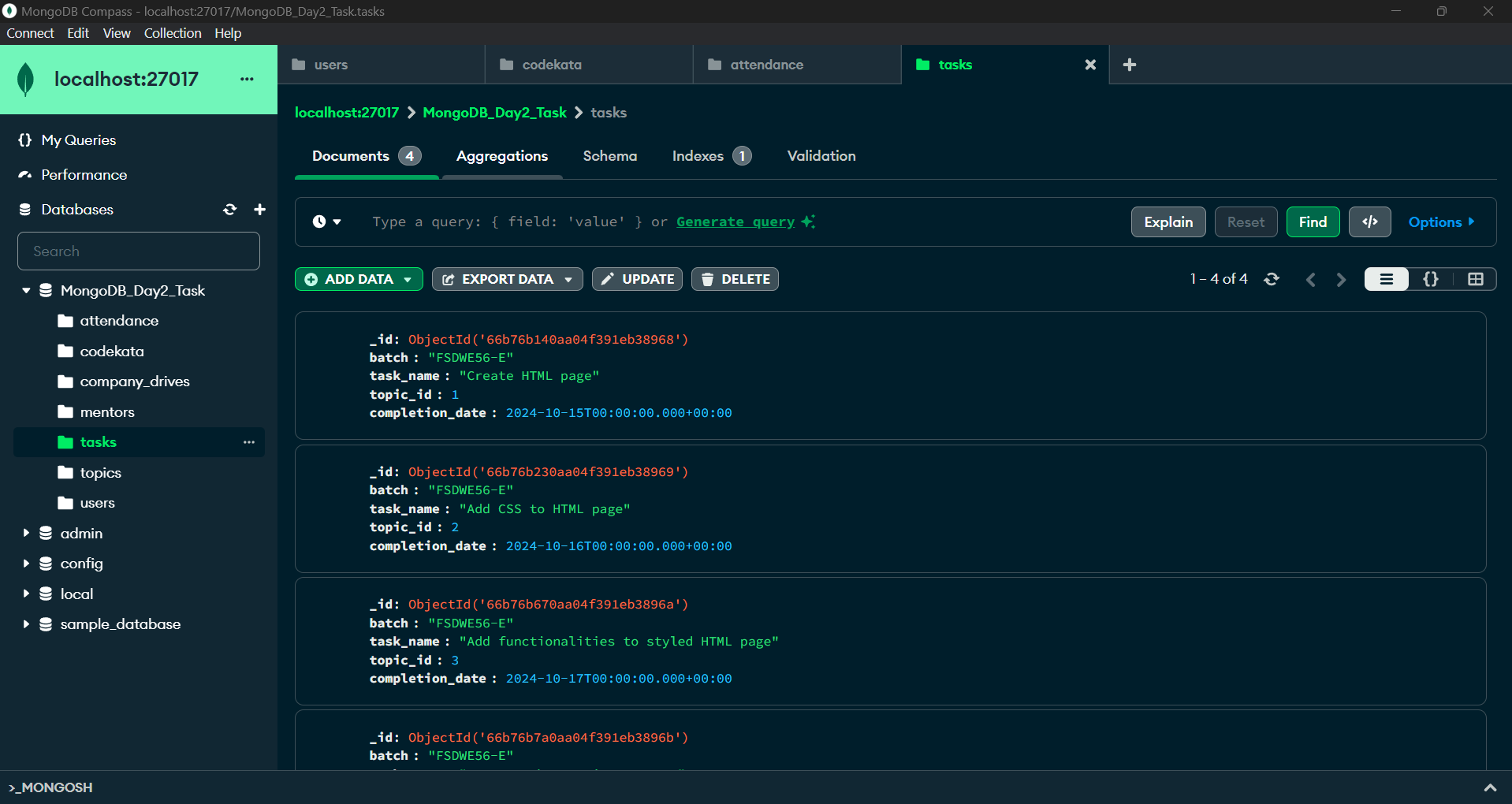
Attendance collection



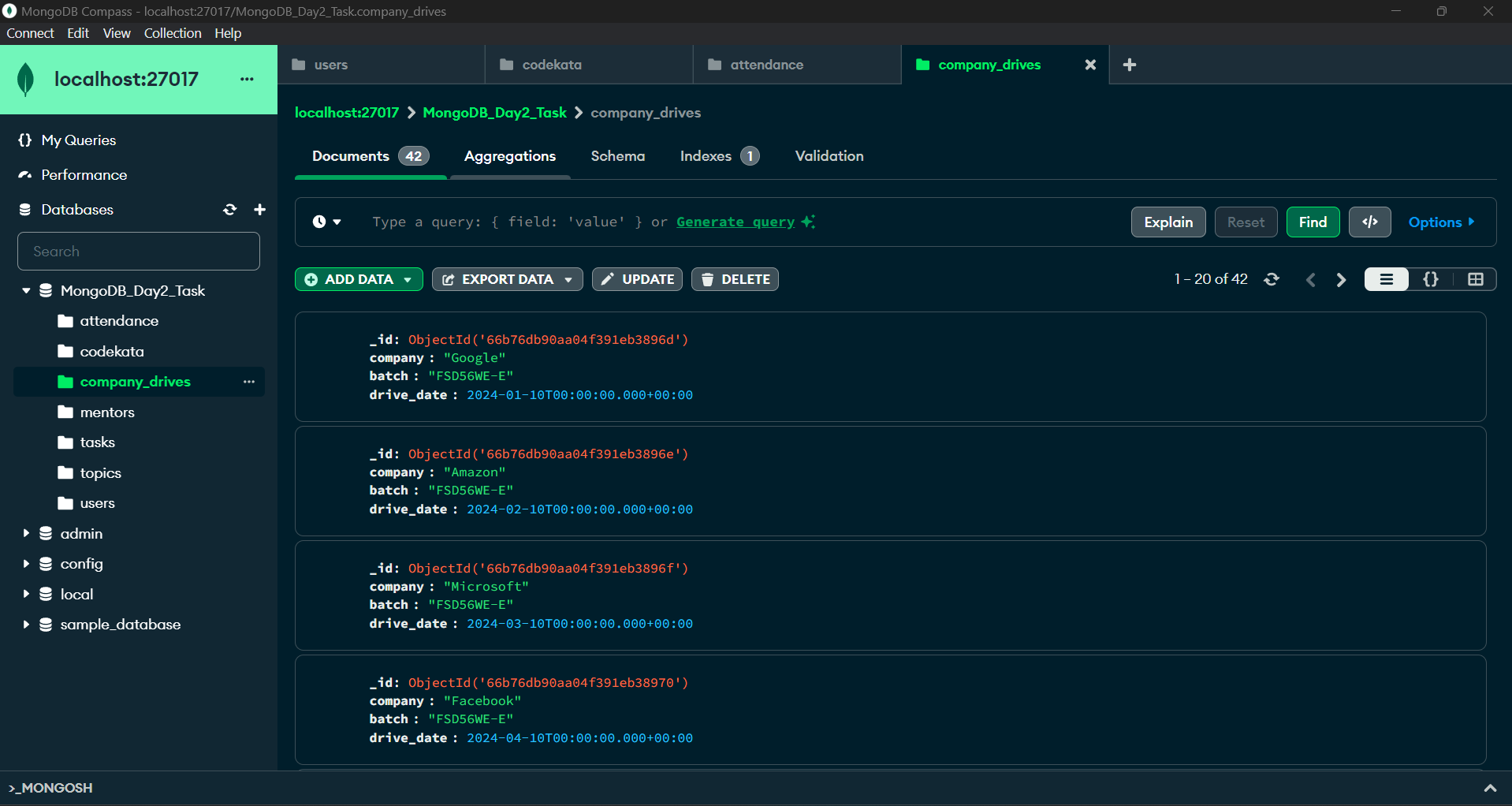
Topics collection



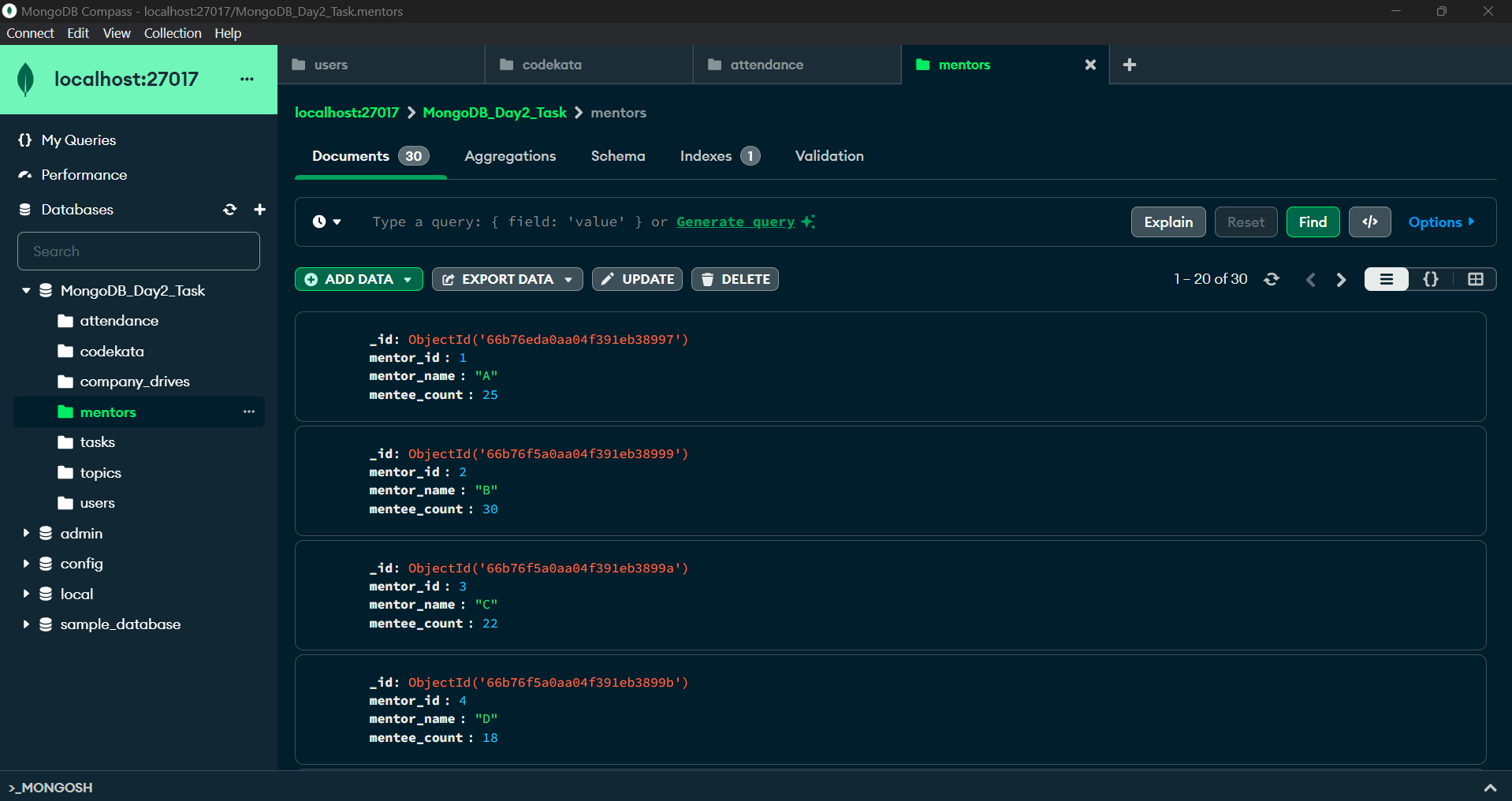
Tasks collection



Company\_drives collection



Mentors collection



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

All the topics which were taught in the month of October

QUERY:

db.topics.find({

completion\_date: {

$gte: ISODate("2024-10-01T00:00:00.000Z"),

$lt: ISODate("2024-11-01T00:00:00.000Z")

}

},{topic\_name:1,completion\_date:1,\_id:0});



Tasks given in the month of October

QUERY:

db.tasks.find({

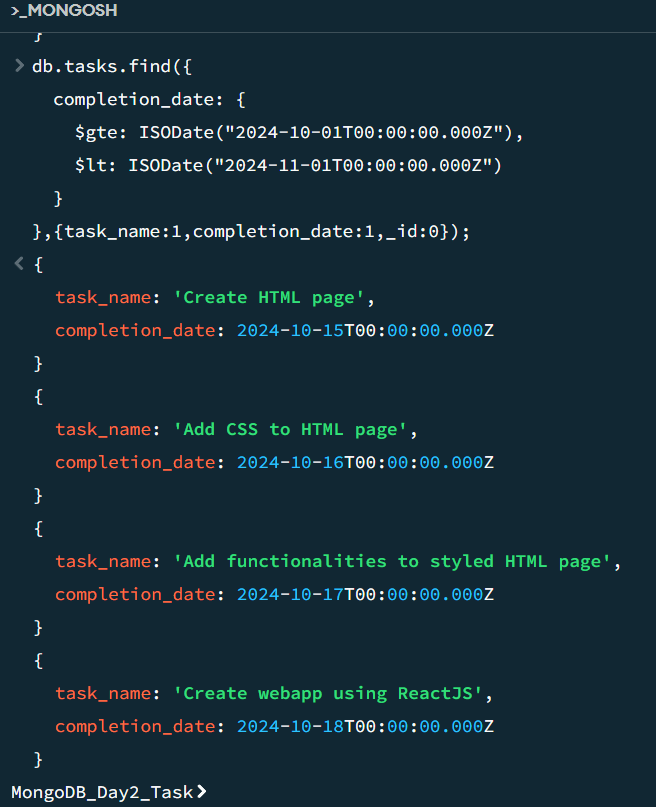
completion\_date: {

$gte: ISODate("2024-10-01T00:00:00.000Z"),

$lt: ISODate("2024-11-01T00:00:00.000Z")

}

},{task\_name:1,completion\_date:1,\_id:0});

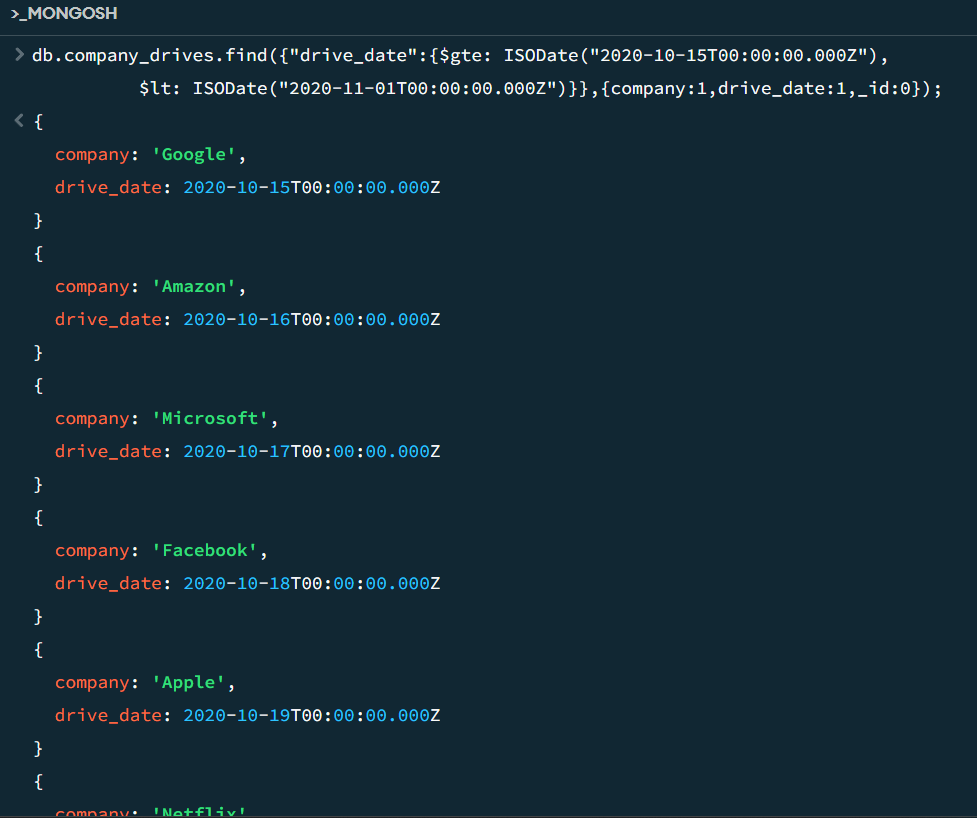


1. Find all the company drives which appeared between 15 oct-2020 and 31-oct-2020

QUERY:

db.company\_drives.find({"drive\_date":{$gte: ISODate("2020-10-15T00:00:00.000Z"),

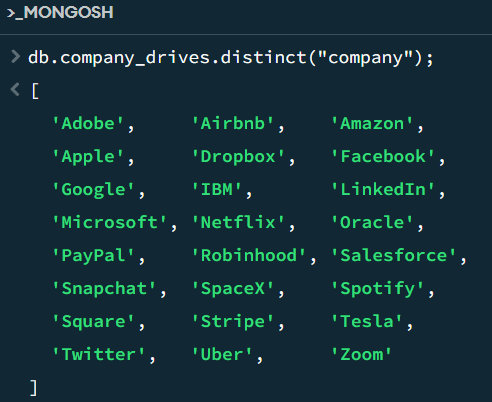
$lt: ISODate("2020-11-01T00:00:00.000Z")}},{company:1,drive\_date:1,\_id:0});



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

All the company drives   
QUERY:

db.company\_drives.distinct("company");



Students who appeared for placement  
QUERY:

db.users.aggregate([

{

$project: {

user\_name: 1,

placement\_drives\_appeared: 1,

\_id:0

}

}

]);



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

db.codekata.aggregate([

{

$group: {

\_id: "$id",

solvedCount: { $sum: 1 }

}

},

{

$project: {

userId: "$\_id",

solvedCount: 1,

\_id: 0

}

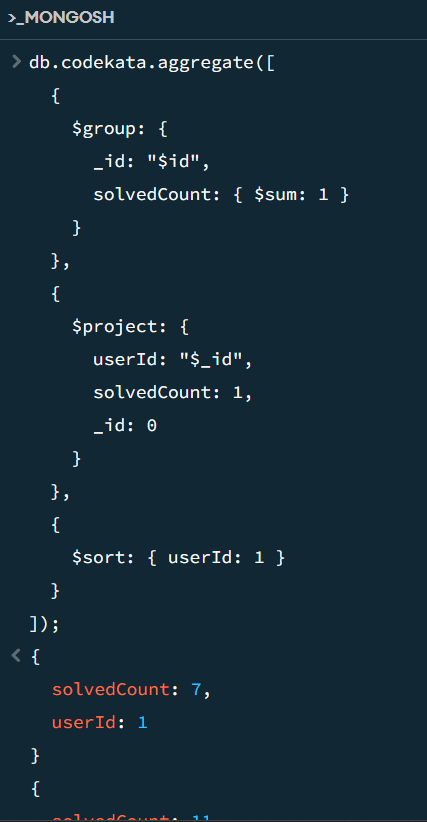
},

{

$sort: { userId: 1 }

}

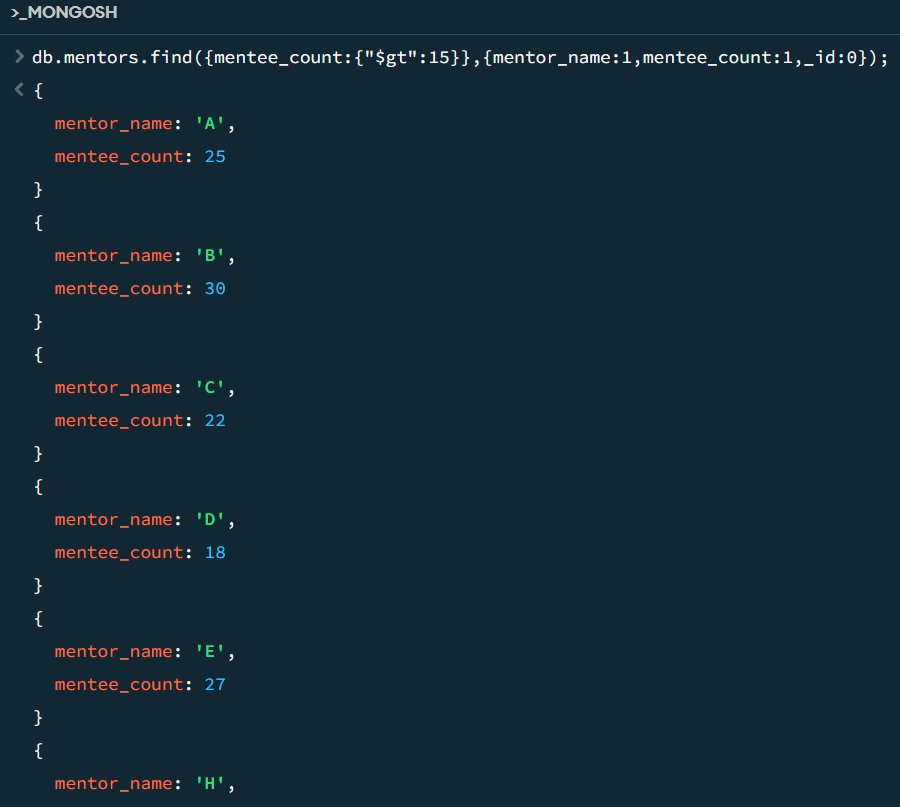
]);



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

QUERY:

db.mentors.find({mentee\_count:{"$gt":15}},{mentor\_name:1,mentee\_count:1,\_id:0});



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

Users who have not submitted task absent between 15th October and 31st October

QUERY:

db.users.find({

"task\_pending\_dates": {

"$elemMatch": {

"$gte": ISODate("2020-10-15T00:00:00.000Z"),

"$lte": ISODate("2020-10-31T23:59:59.999Z")

}

}

}, {

"user\_name": 1,

"\_id": 0

});



Users who were absent between 15th oct 2020 to 31st oct 2020

QUERY:

db.attendance.aggregate([

{

$match: {

absent\_date: {

$gte: new ISODate("2020-10-15T00:00:00.000Z"),

$lte: new ISODate("2020-10-31T23:59:59.999Z")

}

}

},

{

$group: {

\_id: "$id"

}

},

{

$count: "total\_absent\_users"

}

]);

