db.codekata.insertMany [{

"user\_name":"fabian",

"problems\_solved":88

},

{

"user\_name":"raja",

"problems\_solved":18

},

{

"user\_name":"fernando",

"problems\_solved":48

},

{

"user\_name":"rohit",

"problems\_solved":58

},

{

"user\_name":"virat",

"problems\_solved":45

},

{

"user\_name":"dhawan",

"problems\_solved":91

},

{

"user\_name":"dhoni",

"problems\_solved":11

}]

db.company\_drives.insertMany[{

"company\_name":"hcl",

"date":ISODate("2020-09-25"),

"students\_appeared":"fabian,dineshwaran,raja,antony,fernando"

},

{

"company\_name":"cts",

"date":ISODate("2020-10-16"),

"students\_appeared":"anabel,sanjay,ebin,john,infant"

},

{

"company\_name":"tcs",

"date":ISODate("2020-10-27"),

"students\_appeared":"virat,tammim,ashok,sri,abi"

},

{

"company\_name":"zoho",

"date":ISODate("2020-11-15"),

"students\_appeared":"naveen,suvan,felix,jethro,ashwin"

},

{

"company\_name":"guvi",

"date":ISODate("2020-11-25"),

"students\_appeared":"jeshwin,jack,rohit,yogesh,edwin"

}]

db.mentors.insertMany[{

"mentor\_name":"sanjay",

"mentees\_count":35

},

{

"mentor\_name":"pugazharasan",

"mentees\_count":14

},

{

"mentor\_name":"adhithyan",

"mentees\_count":11

},

{

"mentor\_name":"fernando",

"mentees\_count":9

},

{

"mentor\_name":"srivathsan",

"mentees\_count":44

},

{

"mentor\_name":"karthik",

"mentees\_count":29

}]

db.topics.insertMany[{

"topic":"javascript\_Day1",

"month":"october",

"task":"functions"

},

{

"topic":"javascript\_Day2",

"month":"october",

"task":"for loops"

},

{

"topic":"javascript\_Day3",

"month":"october",

"task":"Oops"

},

{

"topic":"html\_Day1",

"month":"november",

"task":"blog about html"

},

{

"topic":"html\_Day2",

"month":"november",

"task":"elements/tags"

},

{

"topic":"html\_Day3",

"month":"november",

"task":"inputs"

}]

[{

"user\_name":"fabian",

"date":ISODate("2020-10-16"),

"attendance":"absent",

"task\_submission":"failed"

},

db.user\_name.insertMany{

"user\_name":"raja",

"date":ISODate("2020-10-20"),

"attendance":"absent",

"task\_submission":"failed"

},

{

"user\_name":"fernando",

"date":ISODate("2020-10-29"),

"attendance":"present",

"task\_submission":"passes"

},

{

"user\_name":"virat",

"date":ISODate("2020-11-01"),

"attendance":"absent",

"task\_submission":"passed"

},

{

"user\_name":"rohit",

"date":ISODate("2020-11-16"),

"attendance":"present",

"task\_submission":"failed"

},

{

"user\_name":"dhoni",

"date":ISODate("2020-11-17"),

"attendance":"present",

"task\_submission":"passed"

}]

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

db.topics.find({month:"october"})

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

db.company\_drives.find({date:{$gt:new Date("2020-10-15"),$lt:new Date("2020-10-31")}})

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

db.company\_drives.find().forEach(function(value){

print("Company Name : "+value.company\_name);

print("Students Appeared : "+value.students\_appeared);

})

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

db.codekata.find().forEach(function(value){

print("Name : "+value.user\_name);

print("Problems Solved : "+value.problems\_solved)

})

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

db.mentors.find({mentees\_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

db.usertask.find({date:{$gt:new Date("2020-10-15"),$lt:new Date("2020-10-31")}}).forEach(function(value){

print("Name : "+value.user\_name);

print("Attendance :"+value.attendance);

print("Task : "+value.task\_submission)

})