Mongo DB Task 2

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

Answer: db.tasks.aggregate([

{

$lookup:{

from: "topics",

localField: "topic\_id",

foreignField: "id",

as: "TaskTopic"

}

},

{

$match: {due\_date: {$gte: ISODate("2020-10-01T00:00:00.000Z"), $lte: ISODate("2020-10-31T00:00:00.000Z")}}

}])

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

Answer: db.company\_drives.find({date: {$gte: ISODate("2020-10-15"), $lte: ISODate("2020-10-31")}})

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

Answer: db.company\_drives.aggregate([

{

$lookup: {

from: "users",

localField: "selected\_students",

foreignField: "id",

as: "drive\_details"

}

}

])

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

Answer: db.codekata.aggregate([

{

$match: { user\_id: 2}

},

{

$count: "problems\_solved"

}

])

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

Answer: db.mentors.aggregate([

{

$project: {

name: 1,

mentee\_count: {$size: "$mentees"}

}

},

{$match: {mentee\_count: {$gt: 1}}}

])

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

Answer: db.attendance.aggregate([

{$match: {present : false}},

{

$lookup: {

from: "tasks",

localField: "user\_id",

foreignField: "user\_id",

as: "task\_attendance"

}

},

{$unwind: "$task\_attendance"},

{

$match: {date: {$gte: ISODate("2020-10-15"), $lte: ISODate("2020-10-31")}}

},

{

$count: "Absent"

}

])