**MongoDB Task**

**Design database for Zen class programme**

users

codekata

attendance

topics

tasks

company\_drives

mentors

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

db.data.find({month:{$eq:11}})

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

db.data.find({$and:[{day:{$gt:15}},{day:{$lt:31}}]},{\_id:0,company\_drives:1,day:1,month:1})

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

db.data.find({attendance:"present"},{\_id:0,company\_drives:1,users:1})

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

db.data.find({},{\_id:0,users:1,codekata:1})

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

db.data.aggregate([

{$group:{\_id:"$mentors",Total\_mentees:{$sum:1}}},

{$match:{Total\_mentees:{$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.data.aggregate([

{$match:{$and:[{attendance:{$eq:"Absent"}},{tasks:{$eq:"not submitted"}},{day:{$gt:15}},{day:{$lt:31}}]}}

])