**Mongo Db tasks-3**

**Zenclass programme data**

**Class**

1. db.users.insert ([

{ “user\_id”:1,

“name”:Ishu,

“email”:ishu13@gmail.com,

“Batch”:b52

Mentor-id:2,},

{ “user\_id”:2,

“name”:Anjali,

“email”:anju13@gmail.com,

“Batch”:b52

Mentor-id:2,},

{ “user\_id”:3,

“name”:sahana,

“email”:sahuu16@gmail.com,

“Batch”:b52

Mentor-id:2,},

{ “user\_id”:4,

“name”:Ishu,

“email”:ishu13@gmail.com,

“Batch”:b52

Mentor-id:2,},

{ “user\_id”:5,

“name”:sidharth

“email”:sidhhu13@gmail.com,

“Batch”:b52

Mentor-id:3,},

])

1. **db.codekata** ([

**{** user-id:1,

Problems-solved:4,},

**{** user-id:2,

Problems-solved:14,},

**{** user-id:3,

Problems-solved:8,},

**{** user-id:4,

Problems-solved:0,},

**{ “**user-id”:5,

“Problems-solved”:10,},

**}**

1. **db.collection.attedance ([**

{ “user-id”:1,

“Percentage”:50%,

“topic”:2

“Present”:true,},

{ “user-id”:2,

“Percentage”:60%,

“topic”:2

“Present”:false,},

{ “user-id”:3,

“Percentage”:80%,

“topic”:2

“Present”:true,},

{ “user-id”:4

“Percentage”:45%,

“topic”:2

“Present”:false,

{ “user-id”:5,

“Percentage”:50%,

“topic”:2

“Present”:false,},])

4.db.topics([

{“user-id”:1

topic-id:1,

“topic”:HTML,

“date”:25,

“Month”:8/20},

{“user-id”:2,

topic-id:2,

“topic”:HTML,css

“date”:26,

“Month”:10/20},

{“user-id”:3,

topic-id:2

“topic”:DB,

“date”:20,

“Month”:10/20},

{“user-id”:4,

topic-id:3,

“topic”:js intro,

“date”:28,

“Month”:9/20},

{“user-id”:5,

topic-id:3,

“topic”:js basics

“date”:29,

“Month”:9/20},

1. db.tasks([

{“user-id”:1 ,

“task-id”:5

“topic-id”:1

“due-date”:date(“2021-8-20”)

“submission”:done,},

{“user-id”:2,

“task-id”:2

“topic”:HTML,CSS

“due-date”:date(“2021-10-20”)

“submission”:not-done,},

{“user-id”:3,

“task-id”:5

“topic-id”:1

“due-date”:date(“2021-8-20”)

“submission”:not-done,},

{“user-id”:4,

“task-id”:5

“topic-id”:1

“due-date”:date(“2021-8-20”)

“submission”:done,},

5.db.mentor([

{“user-id”:1,

“Mentor-id”:3,

“Count”:8,},

{“user-id”:2,

“Mentor-id”:3,

“Count”:20,},

{“user-id”:3,

“Mentor-id”:3,

“Count”:18,},

{“user-id”:4,

“Mentor-id”:3,

“Count”:15,},

**Tasks:**

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

db.topics.find({ month: { $gt: new Date('2020-10-01'), $lt: new Date('202-10-31') } });

db.tasks.find({ month: { $gte: new Date('2023-10-01'), $lte: new Date('2023-10-31') } });

1. Find all the company drives and students who are appeared for the placement.
2. Find the number of problems solved by the user in codekata

db.codekata.find({ "$no.ofproblemsolved"}).count()

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

db.mentor.find({ "$Count"}: {$gt:15})

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

db.data.find({

"Present": false,

"user-id": { $nin: db.tasks.find({

"due-date": {

$gt: new Date('2020-10-15'),

$lt: new Date('2020-10-31')

},

"submission": "done"

}).distinct("topic-id")}

})