Design database for Zen class programme

users

codekata

attendance

topics

tasks

company\_drives

mentors

db.users.insertMany([

{

"id" : "1",

"name" : "Akanksha",

"mail" : "Akanksha@mail.com"

},

{

"id" : "2",

"name" : "Arya",

"mail" : "Arya@mail.com"

},

{

"id" : "3",

"name" : "Prabha",

"mail" : "Prabha@mail.com"

},

{

"id" : "4",

"name" : "Pooja",

"mail" : "Pooja@mail.com"

},

{

"id" : "5",

"name" : "Rudhra",

"mail" : "Rudhra@mail.com"

}

])

db.codekata.insertMany([

{

"id" : "1",

"name" : "Akanksha",

"problems\_solved" : 20

},

{

"id" : "2",

"name" : "Arya",

"problems\_solved" : 25

},

{

"id" : "3",

"name" : "Prabha",

"problems\_solved" : 10

},

{

"id" : "4",

"name" : "Pooja",

"problems\_solved" : 40

},

{

"id" : "5",

"name" : "Rudhra",

"problems\_solved" : 60

}

])

db.topics.insertMany([

{

"id" : "1",

"topic\_name" : "HTML/CSS"

},

{

"id" : "2",

"topic\_name" : "ReactJS"

},

{

"id" : "3",

"topic\_name" : "DS & ALGO"

},

{

"id" : "4",

"topic\_name" : "MongoDB"

},

{

"id" : "5",

"topic\_name" : "NodeJS"

},

{

"id" : "6",

"topic\_name" : "JavaScript"

}

])

db.mentors.insertMany([

{

"id" : "1",

"Mentor\_name" : "Sai",

"Mentee's\_count" : 45

},

{

"id" : "2",

"Mentor\_name" : "Surya",

"Mentee's\_count" : 15

},

{

"id" : "3",

"Mentor\_name" : "Arjun",

"Mentee's\_count" : 30

}

])

db.attendance.insertMany([

{

"id" : "1",

"Oct\_date" : 2,

"Akanksha" : "present",

"Arya" : "present",

"Prabha" : "present",

"Pooja" : "present",

"Rudhra" : "present"

},

{

"id" : "2",

"Oct\_date" : 3,

"Akanksha" : "present",

"Arya" : "present",

"Prabha" : "absent",

"Pooja" : "absent",

"Rudhra" : "present"

},

{

"id" : "3",

"Oct\_date" : 9,

"Akanksha" : "present",

"Arya" : "present",

"Prabha" : "present",

"Pooja" : "present",

"Rudhra" : "present"

},

{

"id" : "4",

"Oct\_date" : 10,

"Akanksha" : "present",

"Arya" : "absent",

"Prabha" : "present",

"Pooja" : "present",

"Rudhra" : "present"

},

{

"id" : "5",

"Oct\_date" : 16,

"Akanksha" : "absent",

"Arya" : "present",

"Prabha" : "present",

"Pooja" : "present",

"Rudhra" : "present"

},

{

"id" : "6",

"Oct\_date" : 17,

"Akanksha" : "present",

"Arya" : "present",

"Prabha" : "present",

"Pooja" : "absent",

"Rudhra" : "present"

},

{

"id" : "7",

"Oct\_date" : 23,

"Akanksha" : "present",

"Arya" : "present",

"Prabha" : "absent",

"Pooja" : "present",

"Rudhra" : "present"

},

{

"id" : "8",

"Oct\_date" : 24,

"Akanksha" : "present",

"Arya" : "present",

"Prabha" : "present",

"Pooja" : "present",

"Rudhra" : "present"

},

{

"id" : "9",

"Oct\_date" : 30,

"Akanksha" : "absent",

"Arya" : "absent",

"Prabha" : "absent",

"Pooja" : "absent",

"Rudhra" : "present"

},

{

"id" : "10",

"Oct\_date" : 31,

"Akanksha" : "present",

"Arya" : "absent",

"Prabha" : "present",

"Pooja" : "present",

"Rudhra" : "present"

}

])

db.tasks.insertMany([

{

"id" : "1",

"task" : "HTML/CSS task",

"date" : 3,

"Akanksha" : "submitted",

"Arya" : "submitted",

"Prabha" : "submitted",

"Pooja" : "submitted",

"Rudhra" : "submitted"

},

{

"id" : "2",

"task" : "ReactJS task",

"date" : 10,

"Akanksha" : "submitted",

"Arya" : "not submitted",

"Prabha" : "submitted",

"Pooja" : "submitted",

"Rudhra" : "submitted"

},

{

"id" : "3",

"task" : "NodeJS task",

"date" : 17,

"Akanksha" : "submitted",

"Arya" : "submitted",

"Prabha" : "not submitted",

"Pooja" : "submitted",

"Rudhra" : "submitted"

},

{

"id" : "4",

"task" : "MongoDB task",

"date" : 24,

"Akanksha" : "not submitted",

"Arya" : "not submitted",

"Prabha" : "submitted",

"Pooja" : "submitted",

"Rudhra" : "submitted"

},

{

"id" : "5",

"task" : "API task",

"date" : 31,

"Akanksha" : "not submitted",

"Arya" : "not submitted",

"Prabha" : "submitted",

"Pooja" : "not submitted",

"Rudhra" : "submitted"

}

])

db.company\_drives.insertMany([

{

"id" : "1",

"company" : "google",

"date" : 10,

"appeared" : ["Akanksha", "Prabha","Pooja","Rudhra"],

"not\_appeared" : ["Arya"]

},

{

"id" : "2",

"company" : "amazon",

"date" : 17,

"appeared" : ["Prabha","Rudhra"],

"not\_appeared" : ["Akanksha", "Arya", "Pooja"]

},

{

"id" : "3",

"company" : "facebook",

"date" : 31,

"appeared" : ["Akanksha","Pooja","Rudhra"],

"not\_appeared" : ["Arya", "Prabha"]

}

])

Find all the topics and tasks which are taught in the month of October

db.tasks.find({}, {\_id:0,task:1})

db.topics.find({}, {\_id:0, topic\_name:1})

------------------------------------------------------------------------------------

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

db.company\_drives.find({$and : [{date:{$gt : 15}},{date:{$lt:31}}]}).forEach(doc => {print('company:', doc.company)})

------------------------------------------------------------------------------------

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

db.company\_drives.find().forEach(doc => {print('Company:', doc.company, " ", 'students:',doc.appeared)})

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Find the number of problems solved by the user in codekata

db.codekata.find()

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

db.mentors.find({"Mentee's\_count" : {$gt : 15}})

------------------------------------------------------------------------------------

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