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

ANS:

```
    MongoDB Compass - localhost:27017/zen_class.topic
    Connect Edit View Collection Help

                    {} My Que...
                                                                               localhost:27017 ...
                    zen_class.topic
  $lookup : { from : "task", localField : "task_id", foreignField : "_id", as : "task" }
   id: ObjectId('65b4aaf6c8807d81b1447dbf'),
      task_name: 'Write a code in HTMl element',
topic_id: ObjectId('65b4a9d9c8807d81b1453dbc'),
      task_submitted: false,
task_submitted_on: 2023-09-21T15:30:00.000Z,
user_id: ObjectId('65b4997f2d8d1f0fdd45e446')
                                       👭 Q Search 🦀 📢 📜 🚱 🕡
                                                                                            db.topic.aggregate([
ISODate("2023-10-01T00:00:00.000+00:00"), $Ite:
},
$lookup : { from : "task", localField : "task_id", foreignField : "_id", as :
"task" }
])
```

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

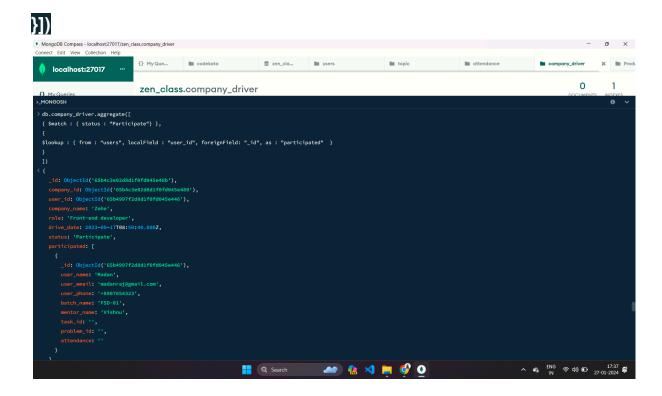
ANS:

```
    MongoDB Compass - localhost:27017/zen_class.company_driver

                       zen_class.company_driver
  db.company_driver.find({
    $gte : ISODate('2023-10-15T00:00:00.000+00:00'),
    $\te: ISODate('2023-10-31T23:59:50.000+00:00')
    company_id: ObjectId('65b4c3e02d8d1f0fd045e484'),
user_id: ObjectId('65b4997f2d8d1f0fd045e447'),
    company_name: 'Amazon',
role: 'Back-end developer',
    _id: ObjectId('65b4c3e02d8d1f0fd045e490'),
company_id: ObjectId('65b4c3e02d8d1f0fd045e485'),
    role: 'Junior full stack developer', drive_date: 2023-10-19T08:50:40.000Z,
                                                                                                              Q Search
                                                               - 🐸 🦺 🔰 📋 🔮 🔾
db.company_driver.find({
drive date: {
$gte: ISODate('2023-10-15T00:00:00.000+00:00'),
$Ite: ISODate('2023-10-31T23:59:50.000+00:00')
})
```

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

ANS:



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

ANS:

```
*Managed Compass Societies (Confidence September 1997)

**Constitution Confidence September 1997

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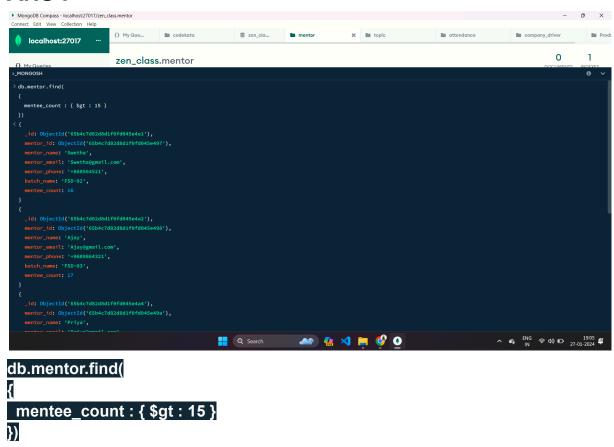
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```

```
$group : {
    __id : "$user_id",
    total_sum_solved : { $sum : "$earned_points"}
    }
}
```

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

ANS:



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

```
Ans:
{

$match : { date : { $gte : ISODate("2023-10-01T00:00:00.000+00:00"), $Ite
:ISODate("2023-10-31T23:59:00.000+00:00") }, attendance_status : false }
},
{

$lookup : { from : "task", localField : "user_id", foreignField : "user_id", as :
"task"}
```

```
},
{
$match : { date : { $gte : ISODate("2023-10-01T00:00:00.000+00:00"), $Ite
:ISODate("2023-10-31T23:59:00.000+00:00") }, "task.task_submitted" : false }
}
])
```

