MongoDB Case Study – 2

Name: PRIYESHWAR

Mail: priyesh2664@gmail.com

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

```
_id: ObjectId('68834e03067cc4df113dcbf9'),
topic_id: 1,
task_id: 1,
topic: 'HTML',
description: 'Master Html',
start_date: 2023-10-07T00:00:00.000Z,
end_date: 2023-10-08T00:00:00.000Z,
task_info: [
  {
    _id: ObjectId('68834def067cc4df113dcbf4'),
    topic_id: 1,
    task_id: 1,
    topic: 'HTML',
    description: 'Create a content using HTML',
    deadline_date: 2023-10-09T00:00:00.000Z
  }
]
_id: ObjectId('68834e03067cc4df113dcbfa'),
topic_id: 2,
task_id: 2,
topic: 'CSS',
description: 'Master Css',
start_date: 2023-10-14T00:00:00.000Z,
end_date: 2023-10-15T00:00:00.000Z,
task_info: [
  {
    _id: ObjectId('68834def067cc4df113dcbf5'),
    topic_id: 2,
```

```
topic: 'CSS',
     description: 'Style - created HTML content',
     deadline_date: 2023-10-16T00:00:00.000Z
}
 _id: ObjectId('68834e03067cc4df113dcbfb'),
 topic_id: 3,
 task_id: 3,
 topic: 'Javascript',
 description: 'Master Javascript',
 start_date: 2023-10-21T00:00:00.000Z,
 end_date: 2023-10-22T00:00:00.000Z,
 task_info: [
   {
     _id: ObjectId('68834def067cc4df113dcbf6'),
     topic_id: 3,
     topic: 'Javascript',
     description: 'Add logics to the created content',
     deadline_date: 2023-10-23T00:00:00.000Z
 ]
```

Find all the company drives which appeared between 15 oct-2023 and 31-oct-2023

 $db. company drives. find (\{drive_date: \{\$gte: ISODate("2023-10-15"), \$lte: ISODate("2023-10-31")\}\})$

```
db.companydrives.find({drive_date:{$gte:ISODate("2023-10-15"),$lte:ISODate("2023-10-31")}})
{
{
    __id: ObjectId('68834d01b6fcb6f3cc0af9ca'),
    userid: 1,
    drive_date: 2023-10-16T00:00:00.000Z,
    company: 'TCS'
}
{
    __id: ObjectId('68834d01b6fcb0f3cc0af9cb'),
    userid: 1,
    drive_date: 2023-10-19T00:00:00.000Z,
    company: 'HCL'
}
{
    __id: ObjectId('68834d01b6fcb0f3cc0af9cc'),
    userid: 2,
    drive_date: 2023-10-22T00:00:00.000Z,
    company: 'Amazon'
}
{
    __id: ObjectId('68834d01b6fcb0f3cc0af9cd'),
    userid: 3,
    drive_date: 2023-10-28T00:00:00.000Z,
    company: 'Wipro'
}
zen_class > |
```

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

db.codekata.find({},{user_id:1,codekata_solved:1,_id:0})

```
> db.codekata.find({},{user_id:1,codekata_solved:1,_id:0})
< {
   user_id: 1,
   codekata_solved: 300
 }
 {
   user_id: 2,
   codekata_solved: 250
 }
 {
   user_id: 3,
   codekata_solved: 200
 }
   user_id: 4,
   codekata_solved: 190
 }
   user_id: 5,
   codekata_solved: 180
```

4.Find all the mentors with who has the mentee's count more than 15 db.mentors.find({mentees:{\$gt:15}},{_id:0})

```
> db.mentors.find({mentees:{$gt:15}},{_id:0})
< {
   mentor_id: 1,
   mentor_name: 'Sathish',
   mentees: 30
 }
 {
   mentor_id: 3,
   mentor_name: 'Thillan',
   mentees: 50
 }
  {
   mentor_id: 4,
   mentor_name: 'Kulunthan',
   mentees: 70
 }
  {
   mentor_id: 5,
   mentor_name: 'Mani',
 }
  {
   mentor_name: 'Parthiban',
   mentees: 32
 }
   mentor_id: 10,
   mentor_name: 'Vijay',
   mentees: 35
 }
```

5.Find the number of users who are absent and task is not submitted between 15 oct-2023 and 31-oct-2023

```
db.attendance.aggregate([
  $match: {
   Class_date: {
     $gte: ISODate("2023-10-15"),
     $lte: ISODate("2023-10-31")
   },
   attendance: false
  $lookup: {
   from: "task_completion",
   localField: "userid",
   foreignField: "userid",
   as: "task_info"
  $unwind: "$task_info"
 },
  $match: {
   "task_info.task_completion": false
  }
  $group: {
   id: "$userid"
```

```
}
},
{
    $count: "absent_and_task_not_completed"
}
])
{
    absent_and_task_not_completed: 2
}
```