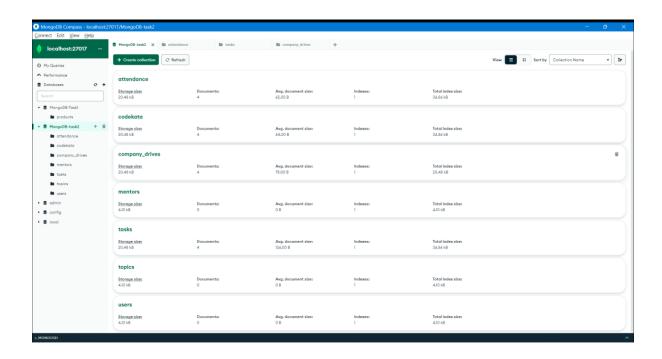
MongoDB-Task-2



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

```
< €
   _id: ObjectId('65e2c100a23270ff3f766013'),
   topic_date: 2023-10-02T18:30:00.000Z,
       _id: ObjectId('65e2c6c8a23270ff3f766022'),
       topic_id: 1,
       task: 'create HTML form',
       submition_date: 2023-10-04T18:30:00.000Z
   _id: ObjectId('65e2c100a23270ff3f766014'),
   topic_date: 2023-10-11T18:30:00.000Z,
   taskinfo: [
       _id: ObjectId('65e2c6c8a23270ff3f766023'),
       topic_id: 2,
       submition_date: 2023-10-14T18:30:00.000Z
```

Totally, **4 Documents** with id ,topic-id task-id task, submission status and submition_date.

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

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

Totally, **4 Documents** projected with company placed detail and student details.

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

```
< {
    solved_problems: 500
}
{
    solved_problems: 450
}
{
    solved_problems: 325
}
{
    solved_problems: 456
}
</pre>
```

Projected Number of problems solved by users.

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

```
> db.mentors.find({mentee_count:{$gt:15}});
```

```
_id: ObjectId('65e2c9c7a23270ff3f766028'),
    mentor_id: 1,
    mentor_name: 'Mr.suresh',
    mentor_email: 'suresh@gmail.com',
    mentee_count: 100
}

{
    _id: ObjectId('65e2c9c7a23270ff3f766029'),
    mentor_id: 2,
    mentor_name: 'Mr.pugazh',
    mentor_email: 'pugazh@gmail.com',
    mentee_count: 80
}

{
    _id: ObjectId('65e2ca59a23270ff3f76602b'),
    mentor_id: 4,
    mentor_name: 'Mr.Mallikarjun',
    mentor_email: 'malligarjun@gmail.com',
    mentee_count: 20
}
```

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

```
> db.attendance.aggregate([
   {$lookup:
 {from:'topics',
 localField:'topic_id',
 foreignField:'topic_id',
 as:'topics'}
  {$lookup:
 {from:'tasks',
 localField:'topic_id',
 foreignField:'topic_id',
 as:'tasks'}
 {$and:[{attendance:false},{'tasks.submitted':false}]}
 {\frac{(\text{sor:}[{\text{topics.topic\_date':}\{\text{gte:new Date('15-oct-2023')}},{\text{topics.topic\_date':}\{\text{te:new Date('31-oct-2023')}})}}
  {\sor:[{\tasks.submition_date\:{\gete:new Date(\15-oct-2023\)}},{\task.submition_date\:{\te:new Date(\31-oct-2023\)}}]}
   {$count:'No_of_students_absent'}
 ]).pretty()
```