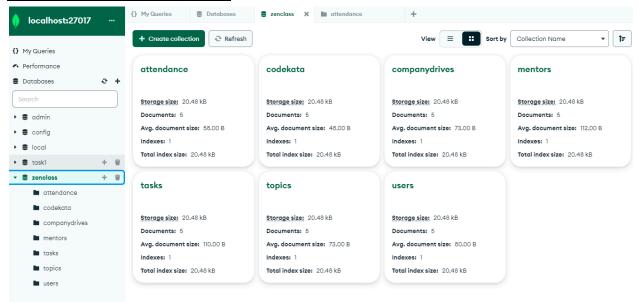
## **MongoDB Task2**

## **Created Database zenclass**



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

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

```
db.companydrives.find({
    $or: [
        { drive_date: { $gte: new Date("15-oct-2020") } },
        { drive_date: { $lte: new Date("31-oct-2020") } }
]
```

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

```
drive_date: 1,
       students: "$userinfo"
  }])
4. Find the number of problems solved by the user in codekata?
db.codekata.aggregate([
  {
    $lookup: {
       from: "users",
       localField: "userid",
       foreignField: "userid",
       as: "userinfo"
    }
  },
    $group: {
       id: {
         userid: "$userid",
         username: "$userinfo.name"
       },
       total_problems_solved: { $sum: "$problems" }
  },
{
    $project: {
       id: 0,
       userid: "$ id.userid",
       username: "$ id.username",
       total problems solved: 1
    }
  }
])
5. Find all the mentors with who has the mentee's count more than 15?
db.users.aggregate([
$match: { mentorid: { $exists: true } }
```

company: 1,

```
},
{
$group: {
_id: "$mentorid",
mentorname: { $first: "$mentorname" },
mentee_count: { $sum: 1 }
},
$match: { mentee_count: { $gt: 15 } }
},
$project: {
id: 0,
mentorid: "$_id",
mentorname: 1,
mentee_count: 1
}
])
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: "topicid",
foreignField: "topicid",
as: "topics"
}
},
$lookup: {
```

from: "tasks",

localField: "topicid", foreignField: "topicid",

```
as: "tasks"
}
},
{
$match: {
attended: false,
"tasks.submitted": false,
$and: [
{ "topics.topic_date": { $gte: new Date("15-oct-2020") } },
{ "topics.topic_date": { $lte: new Date("31-oct-2020") } },
{ "tasks.due_date": { $gte: new Date("15-oct-2020") } },
{ "tasks.due_date": { $lte: new Date("31-oct-2020") } }
]
},
{ $gte: new Date("31-oct-2020") }
}
},
{ $gte: new Date("31-oct-2020") }
}
}
},
{ $gte: new Date("31-oct-2020") }
}
}
```