# **MongoDB Task**

Design database for Zen class programme

}

```
users
codekata
attendance
topics
tasks
company_drives
Mentors
mentors> db.createCollection("ZenclassProgramme")
mentors> use ZenclassProgramme
switched to db ZenclassProgramme
ZenclassProgramme> db.createCollection("users")
ZenclassProgramme> db.createCollection("codekata")
{ ok: 1 }
ZenclassProgramme> db.createCollection("attendance")
{ ok: 1 }
ZenclassProgramme> db.createCollection("topics")
ZenclassProgramme> db.createCollection("tasks")
ZenclassProgramme> db.createCollection("company_drives")
{ ok: 1 }
ZenclassProgramme> db.createCollection("mentors")
{ ok: 1 }
ZenclassProgramme> show dbs
ZenclassProgramme 56.00 KiB
                                       40.00 KiB
config
                                  108.00 KiB
                                                  72.00 KiB
ecommerce
                                      72.00 KiB
local
student
                                        80.00 KiB
db.users.insertMany([\{user\_id:1,user\_name:"Chand"\},\{user\_id:2,user\_name:"ram"\},\{user\_id:3,user\_name:"john"\},\{user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_id:4,user\_
user_name:"joe"}]);
   acknowledged: true,
   insertedIds: {
       '0': ObjectId('675e6b8056c9999db9a1924a'),
       '1': ObjectId('675e6b8056c9999db9a1924b'),
       '2': ObjectId('675e6b8056c9999db9a1924c'),
       '3': ObjectId('675e6b8056c9999db9a1924d')
```

```
ZenclassProgramme>
db.codekata.insertMany([{user_id:1,problem_solved:65},{user_id:2,problem_solved:60},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,problem_solved:65},{user_id:3,p
er_id:4,problem_solved:40}])
{
     acknowledged: true,
     insertedIds: {
            '0': ObjectId('675e6ceddd07382498b8afa1'),
            '1': ObjectId('675e6ceddd07382498b8afa2'),
             '2': ObjectId('675e6ceddd07382498b8afa3'),
            '3': ObjectId('675e6ceddd07382498b8afa4')
     }
}
ZenclassProgramme>
db.attendance.insertMany([{user_id:1,attendance_count:55,attended:true},{user_id:2,attendance_count:25,attended:false},{
user_id:3,attendance_count:40,attended:false},{user_id:4,attendance_count:30,attended:true}])
{
     acknowledged: true,
     insertedIds: {
            '0': ObjectId('675e6e5ddd07382498b8afa5'),
            '1': ObjectId('675e6e5ddd07382498b8afa6'),
             '2': ObjectId('675e6e5ddd07382498b8afa7'),
            '3': ObjectId('675e6e5ddd07382498b8afa8')
     }
}
ZenclassProgramme>
db.topics.insertMany([{user_id:1,topic:"mongodb",topic_date:"2024-12-12"},{user_id:2,topic:"sql",topic_date:"2024-11-24"},{user_id:2,topic:"sql",topic_date:"2024-11-24"},{user_id:2,topic:"sql",topic_date:"2024-11-24"},{user_id:2,topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic:"sql",topic
ser_id:3,topic:"HTML",topic_date:"2024-10-23"},{user_id:4,topic:"react",topic_date:"2024-10-12"}])
{
     acknowledged: true,
     insertedIds: {
            '0': ObjectId('675e6f50dd07382498b8afa9'),
            '1': ObjectId('675e6f50dd07382498b8afaa'),
             '2': ObjectId('675e6f50dd07382498b8afab'),
            '3': ObjectId('675e6f50dd07382498b8afac')
     }
}
ZenclassProgramme>
db.tasks.insertMany([{user_id:1,task:"mongodb",task_date:"2024-12-12"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"2024-11-24"},{user_id:2,task:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date:"sql",task_date
 _id:3,task:"HTML",task_date:"2024-10-23"},{user_id:4,task:"react",task_date:"2024-10-12"}])
{
     acknowledged: true,
     insertedIds: {
            '0': ObjectId('675e6fc7dd07382498b8afad'),
            '1': ObjectId('675e6fc7dd07382498b8afae'),
             '2': ObjectId('675e6fc7dd07382498b8afaf'),
             '3': ObjectId('675e6fc7dd07382498b8afb0')
     }
}
ZenclassProgramme>
db.company_drives.insertMany([{user_id:1,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:3,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:3,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:3,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:3,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:3,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-11-24"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,drive_date:"2024-12-12-12"},{user_id:2,driv
ate: "2024-10-23"}, {user_id:4,drive_date: "2024-10-12"}])
{
      acknowledged: true,
```

```
insertedIds: {
      '0': ObjectId('675e7036dd07382498b8afb1'),
      '1': ObjectId('675e7036dd07382498b8afb2'),
      '2': ObjectId('675e7036dd07382498b8afb3'),
       '3': ObjectId('675e7036dd07382498b8afb4')
}
ZenclassProgramme>
db.mentors.insertMany([\{mentor\_id:1, user\_id:1, mentor\_name:"joee"\}, \{mentor\_id:2, user\_id:2, mentor\_name:"ram"\}, \{mentor\_id:1, user\_id:1, us
d:3,user_id:3,mentor_name:"joee"},{mentor_id:1,user_id:4,mentor_name:"ram"}])
   acknowledged: true,
   insertedIds: {
      '0': ObjectId('675e70d8dd07382498b8afb5'),
      '1': ObjectId('675e70d8dd07382498b8afb6'),
      '2': ObjectId('675e70d8dd07382498b8afb7'),
       '3': ObjectId('675e70d8dd07382498b8afb8')
}
     ZenclassProgramme> db.attendance.find()
[
        id: ObjectId('675e6e5ddd07382498b8afa5'),
      user_id: 1,
       attendance_count: 55,
      attended: true
   },
       _id: ObjectId('675e6e5ddd07382498b8afa6'),
      user_id: 2,
      attendance_count: 25,
      attended: false
   },
       _id: ObjectId('675e6e5ddd07382498b8afa7'),
      user_id: 3,
      attendance_count: 40,
      attended: false
   },
       _id: ObjectId('675e6e5ddd07382498b8afa8'),
       user_id: 4,
      attendance_count: 30,
      attended: true
   }
ZenclassProgramme> db.users.find()
[
       _id: ObjectId('675e6b8056c9999db9a1924a'),
      user_id: 1,
      user_name: 'Chand'
       _id: ObjectId('675e6b8056c9999db9a1924b'),
```

```
user_id: 2,
  user_name: 'ram'
  _id: ObjectId('675e6b8056c9999db9a1924c'),
  user_id: 3,
  user_name: 'john'
 },
   _id: ObjectId('675e6b8056c9999db9a1924d'),
  user_id: 4,
  user_name: 'joe'
ZenclassProgramme> db.topics.find()
[
  _id: ObjectId('675e72b2dd07382498b8afc1'),
  user_id: 1,
  topic: 'mongodb',
  topic_date: '2024-12-12'
 },
  _id: ObjectId('675e72b2dd07382498b8afc2'),
  user_id: 2,
  topic: 'sql',
  topic_date: '2024-11-24'
 },
  _id: ObjectId('675e72b2dd07382498b8afc3'),
  user id: 3,
  topic: 'HTML',
  topic_date: '2024-10-23'
 },
  _id: ObjectId('675e72b2dd07382498b8afc4'),
  user_id: 4,
  topic: 'react',
  topic_date: '2024-10-12'
 }
ZenclassProgramme> db.tasks.find()
[
  _id: ObjectId('675e72dddd07382498b8afc5'),
  user_id: 1,
  task: 'mongodb',
  task_date: '2024-12-12'
 },
  _id: ObjectId('675e72dddd07382498b8afc6'),
  user_id: 2,
  task: 'sql',
  task_date: '2024-11-24'
 },
  _id: ObjectId('675e72dddd07382498b8afc7'),
```

```
user_id: 3,
  task: 'HTML',
  task_date: '2024-10-23'
 },
  _id: ObjectId('675e72dddd07382498b8afc8'),
  user_id: 4,
  task: 'react',
  task_date: '2024-10-12'
ZenclassProgramme> db.mentors.find()
[
  _id: ObjectId('675e72f2dd07382498b8afc9'),
  mentor_id: 1,
  user_id: 1,
  mentor_name: 'joee'
 },
  _id: ObjectId('675e72f2dd07382498b8afca'),
  mentor_id: 2,
  user_id: 2,
  mentor_name: 'ram'
  _id: ObjectId('675e72f2dd07382498b8afcb'),
  mentor_id: 3,
  user_id: 3,
  mentor_name: 'joee'
  _id: ObjectId('675e72f2dd07382498b8afcc'),
  mentor_id: 1,
  user id: 4,
  mentor_name: 'ram'
ZenclassProgramme> db.codekata.find()
[
  _id: ObjectId('675e6ceddd07382498b8afa1'),
  user_id: 1,
  problem_solved: 50
 },
  _id: ObjectId('675e6ceddd07382498b8afa2'),
  user_id: 2,
  problem_solved: 60
  _id: ObjectId('675e6ceddd07382498b8afa3'),
  user_id: 3,
  problem_solved: 65
 },
  _id: ObjectId('675e6ceddd07382498b8afa4'),
```

```
user_id: 4,
  problem_solved: 40
ZenclassProgramme> db.company_drives.find()
[
   id: ObjectId('675e7036dd07382498b8afb1'),
  user_id: 1,
  drive_date: '2024-12-12'
 },
  _id: ObjectId('675e7036dd07382498b8afb2'),
  user_id: 2,
  drive_date: '2024-11-24'
  _id: ObjectId('675e7036dd07382498b8afb3'),
  user_id: 3,
  drive_date: '2024-10-23'
 },
  _id: ObjectId('675e7036dd07382498b8afb4'),
  user_id: 4,
  drive_date: '2024-10-12'
ZenclassProgramme>
  topic_date: '2024-10-12'
 },
  _id: ObjectId('675e6fc7dd07382498b8afad'),
  user_id: 1,
  task: 'mongodb',
  task_date: '2024-12-12'
  _id: ObjectId('675e6fc7dd07382498b8afae'),
  user_id: 2,
  task: 'sql',
  task_date: '2024-11-24'
 },
  _id: ObjectId('675e6fc7dd07382498b8afaf'),
  user_id: 3,
  task: 'HTML',
  task_date: '2024-10-23'
 },
  _id: ObjectId('675e6fc7dd07382498b8afb0'),
  user_id: 4,
  task: 'react',
  task_date: '2024-10-12'
ZenclassProgramme>
```

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

```
ZenclassProgramme> db.topics.find({topic_date:{$gte:"2024-10-01",$lte:"2024-10-31"}});
[
   id: ObjectId('675e72b2dd07382498b8afc3'),
  user_id: 3,
  topic: 'HTML',
  topic_date: '2024-10-23'
 },
  _id: ObjectId('675e72b2dd07382498b8afc4'),
  user_id: 4,
  topic: 'react',
  topic_date: '2024-10-12'
1
ZenclassProgramme> db.tasks.find({task_date:{$gte:"2024-10-01",$lte:"2024-10-31"}});
[
   id: ObjectId('675e72dddd07382498b8afc7'),
  user_id: 3,
  task: 'HTML',
  task_date: '2024-10-23'
 },
  _id: ObjectId('675e72dddd07382498b8afc8'),
  user_id: 4,
  task: 'react',
  task date: '2024-10-12'
]
```

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

```
ZenclassProgramme> db.company_drives.find({drive_date:{$gte:"2024-10-15",$Ite:"2024-10-31"}});
[
{
    _id: ObjectId('675e7036dd07382498b8afb3'),
    user_id: 3,
    drive_date: '2024-10-23'
}
```

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

```
{ $group: { _id: "$user_id" } }
])
[ { _id: 3 }, { _id: 1 }, { _id: 4 }, { _id: 2 }, { _id: null } ]
```

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

```
ZenclassProgramme> db.codekata.aggregate([{$group:{_id:"$user_id",count:{$sum:"$problem_solved"}}}])
[
    {_id: 2, count: 60 },
    {_id: 1, count: 50 },
    {_id: 4, count: 50 },
    {_id: 3, count: 65 }
```

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

```
ZenclassProgramme> db.mentors.find({mentee_count:{$gt:15}})
[
 {
  id: ObjectId('675e72f2dd07382498b8afc9'),
  mentor_id: 1,
  user_id: 1,
  mentor_name: 'joee',
  mentee_count: 20
 },
  _id: ObjectId('675e72f2dd07382498b8afca'),
  mentor_id: 2,
  user_id: 2,
  mentor_name: 'ram',
  mentee_count: 20
 },
  _id: ObjectId('675e72f2dd07382498b8afcc'),
  mentor_id: 1,
  user_id: 4,
  mentor_name: 'ram',
  mentee_count: 20
]
```

#### 6. Find the number of users who are absent

```
ZenclassProgramme> db.attendance.find({attended:false});
[
{
    _id: ObjectId('675e6e5ddd07382498b8afa6'),
    user_id: 2,
    attendance_count: 25,
    attended: false
},
{
```

```
_id: ObjectId('675e6e5ddd07382498b8afa7'), user_id: 3, attendance_count: 40, attended: false }
```

## 7. task is not submitted between 15 oct-2020 and 31-oct-2020

```
[
  _id: ObjectId('675e72dddd07382498b8afc5'),
 user_id: 1,
 task: 'mongodb',
  task_date: '2024-12-12'
},
  _id: ObjectId('675e72dddd07382498b8afc6'),
  user_id: 2,
 task: 'sql',
 task_date: '2024-11-24'
  _id: ObjectId('675e72dddd07382498b8afc7'),
  user_id: 3,
  task: 'HTML',
 task_date: '2024-10-23'
},
  _id: ObjectId('675e72dddd07382498b8afc8'),
 user_id: 4,
 task: 'react',
 task_date: '2024-10-12'
]
```