

Mongodb:

use zenclass;

show collections;

Find the number of problems solved by the user in codekata:

```
db.codekata.find({ Problems_Solved : "20"})
{
  _id: ObjectId('672e26495cec6ed8b26bbd5c'),
  Users_id: '4',
  Date: '2010-09-10',
  Problems_Solved: '20'
}
{
  _id: ObjectId('672e26495cec6ed8b26bbd62'),
  Users_id: '10',
  Date: '2020-10-29',
  Problems_Solved: '20'
}
```

```
> show collections;
< Attendance
  codekata
  Companydrives
  Cpmpany drtive
  mentors
  Tasks
  Topics
  users
```

Attendance:

```
> db["Attendance"].find().pretty();
< {
  _id: ObjectId('672e28f45cec6ed8b26bbd6c'),
  Users_id: '1',
  Date: '2020-10-10',
  Status: 'Present'
}
{
  _id: ObjectId('672e28f45cec6ed8b26bbd6d'),
  Users_id: '2',
  Date: '2020-10-31',
  Status: 'Absent'
}
{
  _id: ObjectId('672e28f45cec6ed8b26bbd6e'),
  Users_id: '3',
  Date: '2020-09-10',
  Status: 'Present'
}
{
  _id: ObjectId('672e28f45cec6ed8b26bbd6f')
```

Codeketa:

```

> use zenclass
< switched to db zenclass
> db["codeketa"].find().pretty();
< {
  _id: ObjectId('672e26495cec6ed8b26bbd59'),
  Users_id: '1',
  Date: '2010-10-10',
  Problems_Solved: '5'
}
{
  _id: ObjectId('672e26495cec6ed8b26bbd5a'),
  Users_id: '2',
  Date: '2010-10-15',
  Problems_Solved: '15'
}
{
  _id: ObjectId('672e26495cec6ed8b26bbd5b'),
  Users_id: '3',
  Date: '2010-10-11',
  Problems_Solved: '13'
}
{
  _id: ObjectId('672e26495cec6ed8b26bbd5c'),
  Users_id: '4',
  Date: '2010-10-12',
  Problems_Solved: '10'
}

```

Companydrives:

```
}  
> db.Companydrives.find({}).pretty();  
< {  
  _id: ObjectId('672e461fa4451fdfad0fe98f'),  
  drive_id: '1',  
  User_id: '1',  
  Date: '2020-10-14',  
  drive_name: 'HCL'  
}  
{  
  _id: ObjectId('672e461fa4451fdfad0fe990'),  
  drive_id: '2',  
  User_id: '2',  
  Date: '2020-10-18',  
  drive_name: 'IBM'  
}  
{  
  _id: ObjectId('672e461fa4451fdfad0fe991'),  
  drive_id: '3',
```

mentors:

```
> db["mentors"].find().pretty();
< {
  _id: ObjectId('672e4b7fa4451fdfad0fe99c'),
  mentor_id: '1',
  mentor_name: 'Sathish',
  mentee_count: 17
}
{
  _id: ObjectId('672e4b7fa4451fdfad0fe99d'),
  mentor_id: '2',
  mentor_name: 'Banu',
  mentee_count: 20
}
{
  _id: ObjectId('672e4b7fa4451fdfad0fe99e'),
  mentor_id: '3',
  mentor_name: 'geetha',
  mentee_count: 15
}
{
  _id: ObjectId('672e4b7fa4451fdfad0fe99f'),
  mentor_id: '4',
  mentor_name: 'Geetha',
  mentee_count: 11
}
```

Tasks:

```
    }  
> db.Tasks.find({}).pretty();  
< {  
  _id: ObjectId('672e3f8fa4451fdfad0fe96a'),  
  task_id: '1',  
  topic_id: '1',  
  User_id: '1',  
  Date: '2020-oct-10',  
  task_name: 'Semantic HTML',  
  submitted: 'true'  
}  
{  
  _id: ObjectId('672e3f8fa4451fdfad0fe96b'),  
  task_id: '1',  
  topic_id: '1',  
  User_id: '2',  
  Date: '2020-10-10',
```

Topics:

```
> db.Topics.find({}).pretty();
< {
  _id: ObjectId('672e2b295cec6ed8b26bbd7f'),
  Topic_id: '1',
  Date: '2020-10-10',
  topic_name: 'HTML'
}
{
  _id: ObjectId('672e2b295cec6ed8b26bbd80'),
  Topic_id: '2',
  Date: '2020-10-16',
  topic_name: 'CSS'
}
{
  _id: ObjectId('672e2b295cec6ed8b26bbd81'),
  Topic_id: '3',
  Date: '2020-10-15',
  topic_name: 'ReactJS'
}
{
  _id: ObjectId('672e2b295cec6ed8b26bbd82'),
  Topic_id: '4',
  Date: '2020-10-18',
  topic_name: 'MYSQL'
}
```

users:

```

    }
  > db["users"].find().pretty();
  < {
    _id: ObjectId('672e15164bb8003c9d85321c'),
    users: [
      {
        User_id: '1',
        Email: 'Akash@gmail.com',
        Name: 'Akash',
        Phone: '123456789',
        role: 'student'
      }
    ]
  }
  {
    _id: ObjectId('672e172f4bb8003c9d853222'),
    Users_id: '2',
    Name: 'Barun',
    Email: 'barun@gmail.com',
    Phone: '2345678901',
    role: 'Student'
  }

```

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


```
> db.mentors.find({ mentee_count: { $gt: 15 } }).pretty();
< {
  _id: ObjectId('672e4b7fa4451fdfad0fe99c'),
  mentor_id: '1',
  mentor_name: 'Sathish',
  mentee_count: 17
}
{
  _id: ObjectId('672e4b7fa4451fdfad0fe99d'),
  mentor_id: '2',
  mentor_name: 'Banu',
  mentee_count: 20
}
{
  _id: ObjectId('672e4b7fa4451fdfad0fe9a0'),
  mentor_id: '5',
  mentor_name: 'indi',
  mentee_count: 21
}
{
  _id: ObjectId('672e4b7fa4451fdfad0fe9a1'),
  mentor_id: '6',
  mentor_name: 'Vignesh',
```

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

ReferenceError: pretty is not defined

```
> db.Companydrives.find({
  Date: {$nin:[15, 31]}
}).toArray();
[
  {
    _id: ObjectId('672e461fa4451fdfad0fe98f'),
    drive_id: '1',
    User_id: '1',
    Date: '2020-10-14',
    drive_name: 'HCL'
  },
  {
    _id: ObjectId('672e461fa4451fdfad0fe990'),
    drive_id: '2',
    User_id: '2',
    Date: '2020-10-18',
    drive_name: 'IBM'
  },
  {
    _id: ObjectId('672e461fa4451fdfad0fe991'),
    drive_id: '3',
    User_id: '3',
```

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

```

> db.Companydrives.find({Date:{$gte:"2020-10-15",$lte:"2020-10-31"}})
< [
  {
    _id: ObjectId('672e461fa4451fdfad0fe990'),
    drive_id: '2',
    User_id: '2',
    Date: '2020-10-18',
    drive_name: 'IBM'
  }
]

```

1. number of users who are absent:

```

> db.Attendance.find({Status: "Absent"}).toArray() ;
< [
  {
    _id: ObjectId('672e28f45cec6ed8b26bbd6d'),
    Users_id: '2',
    Date: '2020-10-31',
    Status: 'Absent'
  },
  {
    _id: ObjectId('672e28f45cec6ed8b26bbd6f'),
    Users_id: '4',
    Date: '2020-10-15',
    Status: 'Absent'
  },
  {
    _id: ObjectId('672e28f45cec6ed8b26bbd71'),
    Users_id: '6',
    Date: '2020-10-18'
  }
]

```