Connect   Edit   View   Help

localhost:27017   ...

My Queries   Databases   Performance

{} My Queries
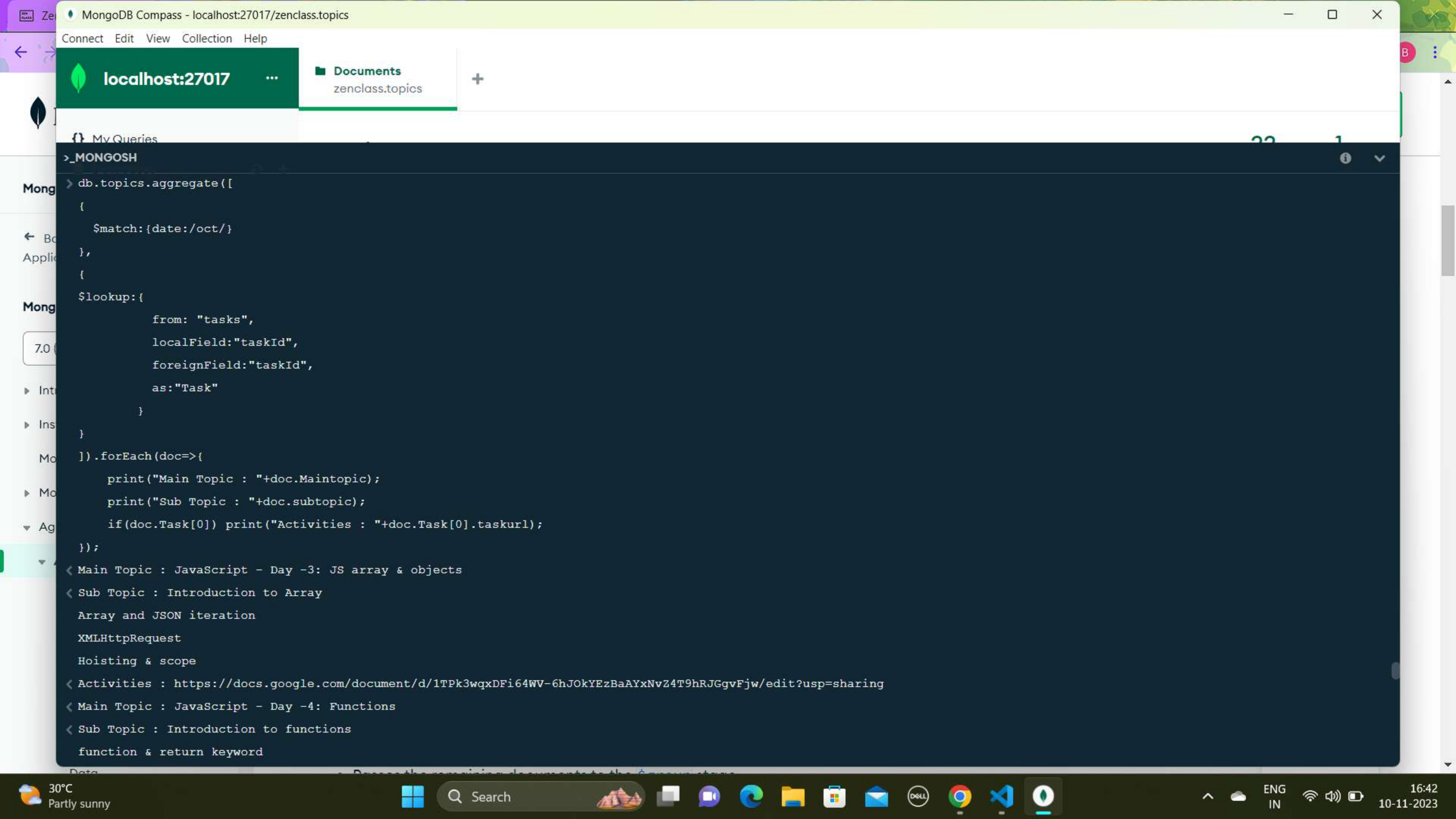
>_MONGOSH

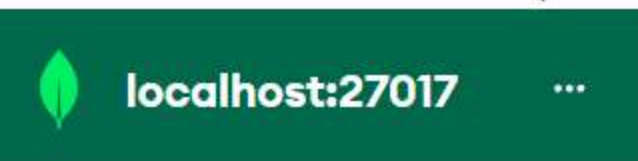```
> use zenclass;
< switched to db zenclass
> db.createCollection("users");
< { ok: 1 }
> db.createCollection("codekata");
< { ok: 1 }
> db.createCollection("attendance");
< { ok: 1 }
> db.createCollection("topics");
< { ok: 1 }
> db.createCollection("tasks");
< { ok: 1 }
> db.createCollection("company_drives");
< { ok: 1 }
> db.createCollection("mentors");
< { ok: 1 }
zenclass >
```

localhost:27017   ...

**Documents**
zenclass.topics

{} My Queries

```
>_MONGOSH

> db.topics.aggregate([
  {
    $match:{date:/oct/}
  },
  {
  $lookup:{
          from: "tasks",
          localField:"taskId",
          foreignField:"taskId",
          as:"Task"

        }
  }
]).forEach(doc=>{
    print("Main Topic : "+doc.Maintopic);
    print("Sub Topic : "+doc.subtopic);
    if(doc.Task[0]) print("Activities : "+doc.Task[0].taskurl);
});
< Main Topic : JavaScript - Day -3: JS array & objects
< Sub Topic : Introduction to Array
  Array and JSON iteration
  XMLHttpRequest
  Hoisting & scope
< Activities : https://docs.google.com/document/d/1TPk3wqxDFi64WV-6hJOkYEzBaAYxNvZ4T9hRJGgvFjw/edit?usp=sharing
< Main Topic : JavaScript - Day -4: Functions
< Sub Topic : Introduction to functions
  function & return keyword
```

Connect Edit View Collection Help
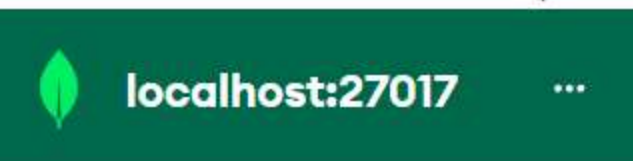
localhost:27017 ...

Documents
zenclass.topics

My Queries

>_MONGOSH

```
db.company_drives.find({date:{$gte:"15-oct-2020",$lte:"31-oct-2020"}});
{
  _id: ObjectId("654e15192b88cc3945314317"),
  company_name: 'Finsights',
  date: '15-oct-2020',
  attended_studentsId: [
    0,
    1,
    2,
    3,
    4,
    5,
    11,
    12,
    13,
    14,
    15
  ]
}
{
  _id: ObjectId("654e15192b88cc3945314318"),
  company_name: 'Greenma infotech',
  date: '16-oct-2020',
  attended_studentsId: [
    0,
    1,
```

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Partly sunny

Search

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17:07
10-11-2023

MongoDB Compass - localhost:27017/zenclass.users

Connect   Edit   View   Collection   Help

localhost:27017   ...

Documents
zenclass.users

My Queries

>_MONGOSH

```javascript
db.company_drives.aggregate([
    {
    $lookup:{
        from:"users",
        localField:"attended_studentsId",
        foreignField:"id",
        as:"Attended_students"
    }
    }
]).forEach(doc=>{
   print("Company name : "+doc.company_name);
   print("Date : "+doc.date);
   print("Attended Students : ");
doc.Attended_students.map(file=>{
print(`Name :${file.name} email : ${file.email} phone : ${file.phone}`);
})
});
```

Company name : Gigin.ai
Date : 13-oct-2020
Attended Students :
Name :Person1 email : abc@gmail.com phone : 1234567890
Name :Person2 email : def@gmail.com phone : 2345678901
Name :Person3 email : ghi@gmail.com phone : 3456789012
Name :Person4 email : jkl@gmail.com phone : 4567890123
Name :Person5 email : mno@gmail.com phone : 5678901234
Name :Person6 email : pqr@gmail.com phone : 6789012345

MongoDB Compass - localhost:27017/zenclass.codekata

Connect   Edit   View   Collection   Help

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Documents
zenclass.codekata

My Queries
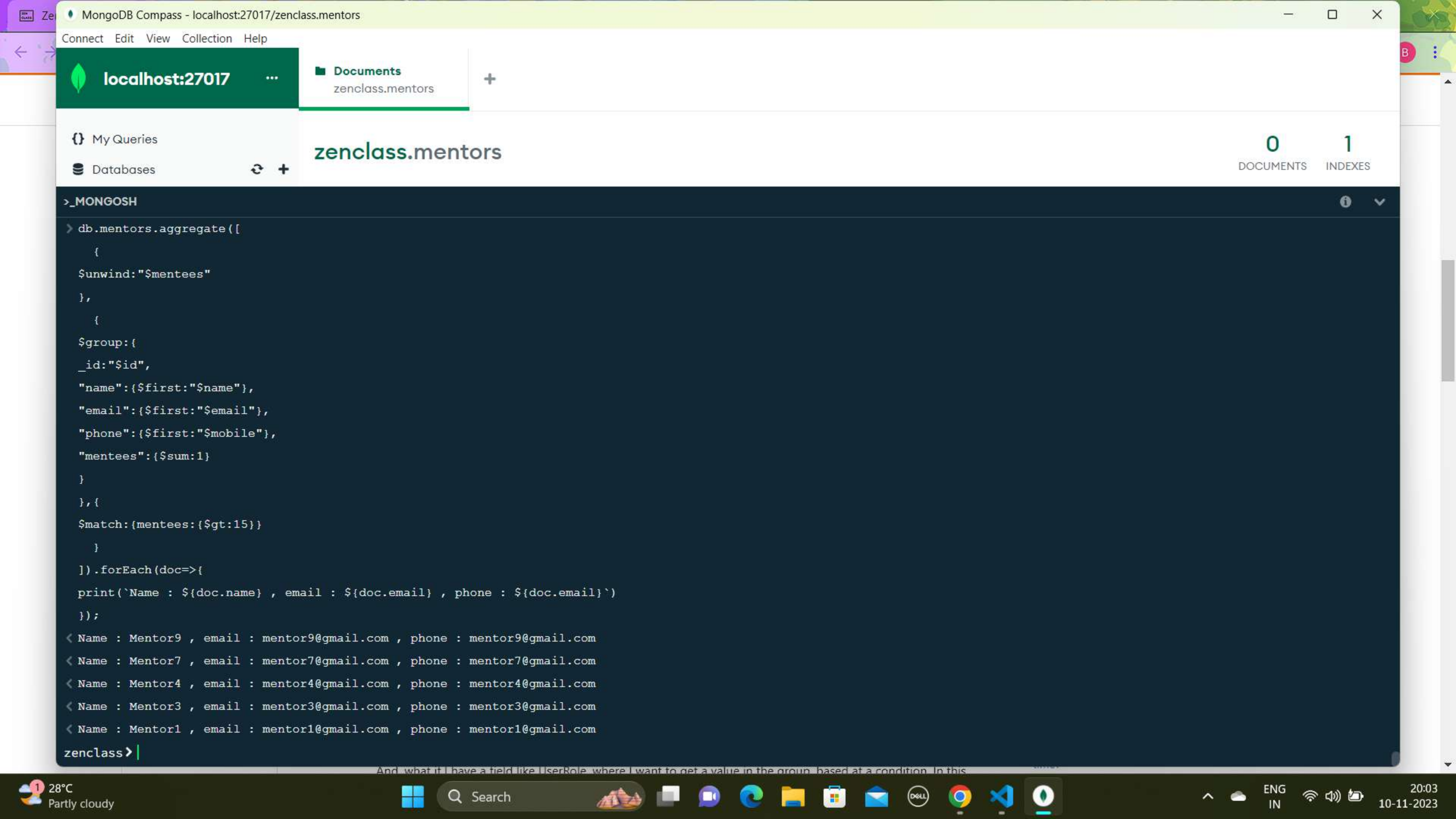
>_MONGOSH

```
db.users.aggregate([
    {
$lookup:{
from:"codekata",
localField:"id",
foreignField:"student_id",
as:"Solved"
}
}
]).forEach(doc=>{
print(`Name: ${doc.name} Codekata Solved: ${doc.Solved[0].solved}`)
});
```

```
Name: Person1 Codekata Solved: 200
Name: Person2 Codekata Solved: 150
Name: Person3 Codekata Solved: 100
Name: Person4 Codekata Solved: 175
Name: Person5 Codekata Solved: 250
Name: Person6 Codekata Solved: 50
Name: Person7 Codekata Solved: 30
Name: Person8 Codekata Solved: 140
Name: Person9 Codekata Solved: 76
Name: Person10 Codekata Solved: 49
Name: Person11 Codekata Solved: 130
Name: Person12 Codekata Solved: 120
Name: Person13 Codekata Solved: 90
Name: Person14 Codekata Solved: 210
```

Connect   Edit   View   Collection   Help

localhost:27017   ...

Documents
zenclass.mentors

{} My Queries

zenclass.mentors
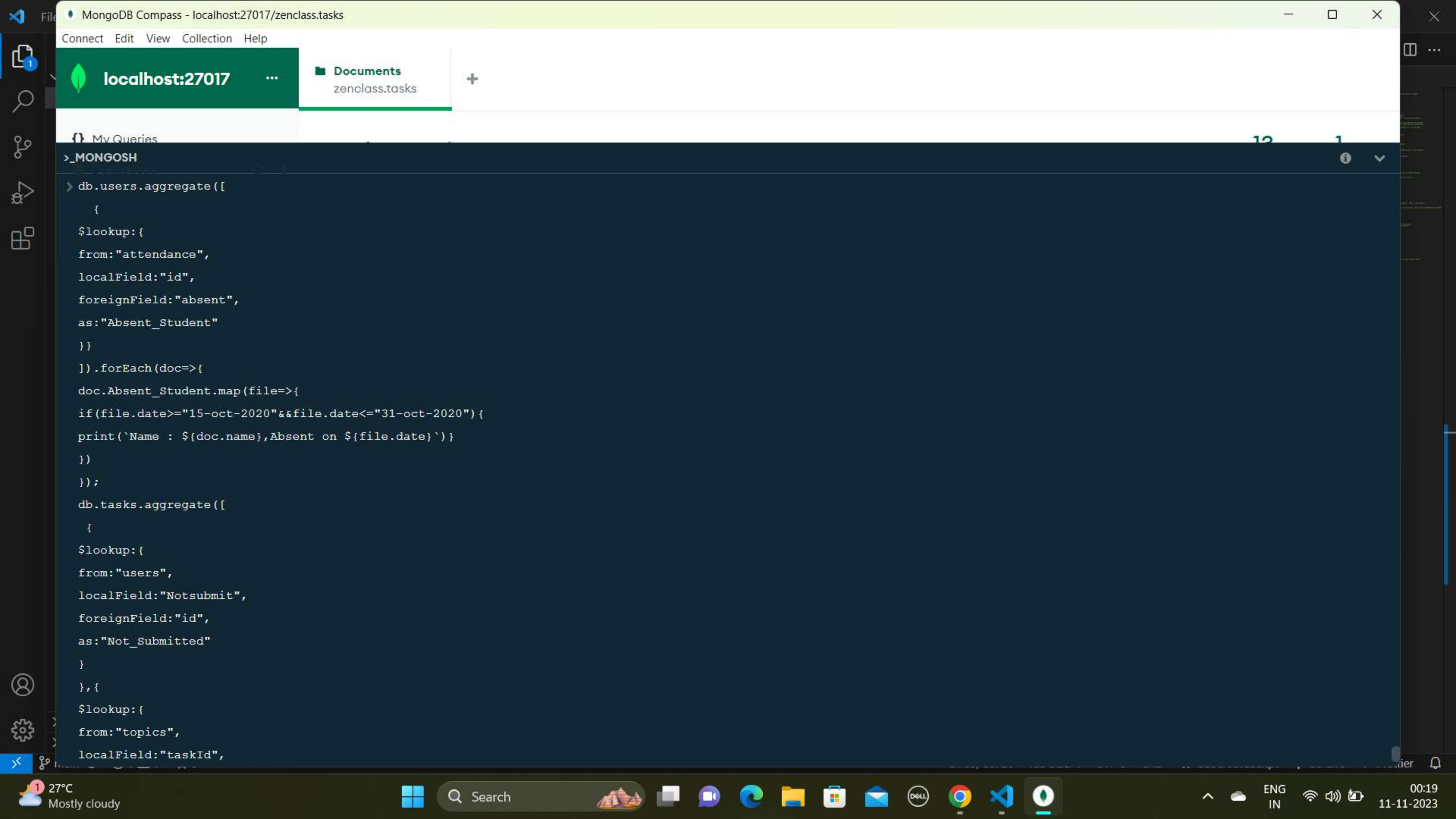
Databases

0 DOCUMENTS   **1** INDEXES

>_MONGOSH

```
> db.mentors.aggregate([
    {
$unwind:"$mentees"
},
    {
$group:{
_id:"$id",
"name":{$first:"$name"},
"email":{$first:"$email"},
"phone":{$first:"$mobile"},
"mentees":{$sum:1}
}
},{
$match:{mentees:{$gt:15}}
    }
]).forEach(doc=>{
print(`Name : ${doc.name} , email : ${doc.email} , phone : ${doc.email}`)
});
< Name : Mentor9 , email : mentor9@gmail.com , phone : mentor9@gmail.com
< Name : Mentor7 , email : mentor7@gmail.com , phone : mentor7@gmail.com
< Name : Mentor4 , email : mentor4@gmail.com , phone : mentor4@gmail.com
< Name : Mentor3 , email : mentor3@gmail.com , phone : mentor3@gmail.com
< Name : Mentor1 , email : mentor1@gmail.com , phone : mentor1@gmail.com
zenclass> |
```

And, what it I have a field like UserRole, where I want to get a value in the group, based at a condition. In this

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Documents
zenclass.tasks

My Queries

>_MONGOSH

```
db.users.aggregate([
    {
$lookup:{
from:"attendance",
localField:"id",
foreignField:"absent",
as:"Absent_Student"
}}
]).forEach(doc=>{
doc.Absent_Student.map(file=>{
if(file.date>="15-oct-2020"&&file.date<="31-oct-2020"){
print(`Name : ${doc.name},Absent on ${file.date}`)}
})
});
db.tasks.aggregate([
   {
$lookup:{
from:"users",
localField:"Notsubmit",
foreignField:"id",
as:"Not_Submitted"
}
},{
$lookup:{
from:"topics",
localField:"taskId",
```

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Documents
zenclass.tasks

{} My Queries

>_MONGOSH

```
Name : Person7,Absent on 20-oct-2020
Name : Person8,Absent on 22-oct-2020
Name : Person8,Absent on 30-oct-2020
Name : Person9,Absent on 28-oct-2020
Name : Person11,Absent on 15-oct-2020
Name : Person12,Absent on 19-oct-2020
Name : Person12,Absent on 28-oct-2020
Name : Person12,Absent on 29-oct-2020
Name : Person14,Absent on 23-oct-2020
Name : Person15,Absent on 23-oct-2020
Name : Person16,Absent on 16-oct-2020
Name : Person16,Absent on 23-oct-2020
Name : Person11 not submit task on 02-oct-2020
Name : Person12 not submit task on 02-oct-2020
Name : Person13 not submit task on 02-oct-2020
Name : Person9 not submit task on 05-oct-2020
Name : Person10 not submit task on 05-oct-2020
Name : Person5 not submit task on 06-oct-2020
Name : Person6 not submit task on 06-oct-2020
Name : Person7 not submit task on 06-oct-2020
Name : Person1 not submit task on 07-oct-2020
Name : Person2 not submit task on 07-oct-2020
Name : Person15 not submit task on 08-oct-2020
Name : Person16 not submit task on 08-oct-2020
Name : Person12 not submit task on 16-oct-2020
Name : Person13 not submit task on 16-oct-2020
```