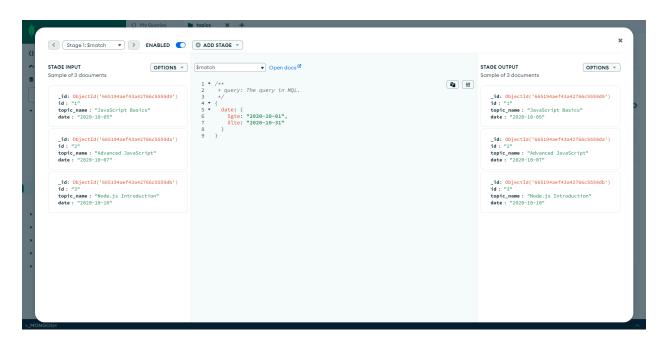
#### MongoDB Task - 2

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

#### MongoDB Compass:

Topics were taught in the month of October:



#### Tasks were given in the month of October

```
OPTIONS ▼ Smatch • Open docs ☑
STAGE INPUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STAGE OUTPUT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPTIONS *
         | Compandoes | Com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     _id: ObjectId('66521b5ef43a42766c555a2a')
id: "l"
user_id: "l"
task_mame: "Build a Simple Calculator"
description: "Create a basic calculator
using HTML, CSS, and
JavaScript."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JavaS
date: "2020-10-05"
               uate : "2020-10-05"
due_date : "2020-10-10"
submitted : "yes"
topic_id : 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           uate: "2020-10-05"
due_date: "2020-10-10"
submitted: "yes"
topic_id: 1
               _id: ObjectId('66521b5ef43a42766c555a2b')
id: "2"
user_id: "2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           _id: ObjectId('66521b5ef43a42766c555a2b')
id: "2"
user_id: "2"
               user_id: "2"

task_mame: "Weather App"

description: "Develop a weather
application using APIs."

date: "2020-18-18-"

due_date: "2020-18-16"

submitted: "yes"

topic_id: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         user_id: '2'"

description: "Bevelop a weather
application using APIs."

date: "2020-18-07"
due_date: "2020-19-16"
submitted: "yes"
topic_id: 2
                 _id: ObjectId('66521b5ef43a42766c555a2c')
id: "3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      _id: 00jec...
id: "3"
user_id: "3"
task_name: "Todo List"
description: "Implement a todo List with
CRUD operations."
date: "2020-10-10"
due_date: "2020-10-20"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            _id: ObjectId('66521b5ef43a42766c555a2c')
id: "3"
               id: "3"
user_id: "3"
user_id: "3"
task_mame: "Todo List"
description: "Implement a todo list with
CRUD operations."
date: "2829-18-18"
```

#### Shell:

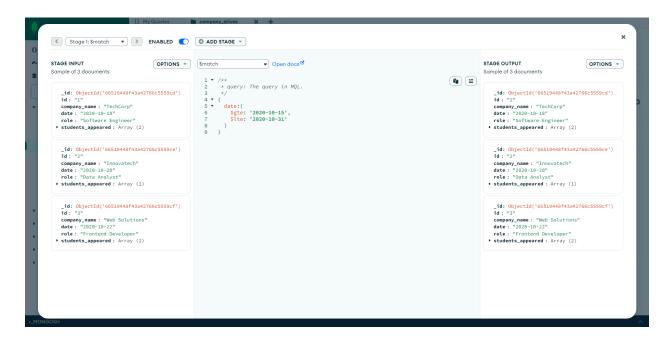
Topics were taught in the month of October:

```
Guvi> db.topics.aggregate({$match:{date:{$gte:'2020-10-01', $$tte:'2020-10-31'}}})
[
{
    _id: ObjectId('665194aef43a42766c5559d9'),
    id: '1,
     topic_name: 'JavaScript Basics',
    date: '2020-10-05'
},
{
    _id: ObjectId('665194aef43a42766c5559da'),
    id: '2',
     topic_name: 'Advanced JavaScript',
    date: '2020-10-07'
},
{
    _id: ObjectId('665194aef43a42766c5559db'),
    id: '3',
     topic_name: 'Node.js Introduction',
    date: '2020-10-10'
}
Guvi> |
```

## Tasks were given in the month of October

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

### MongoDB Compass:

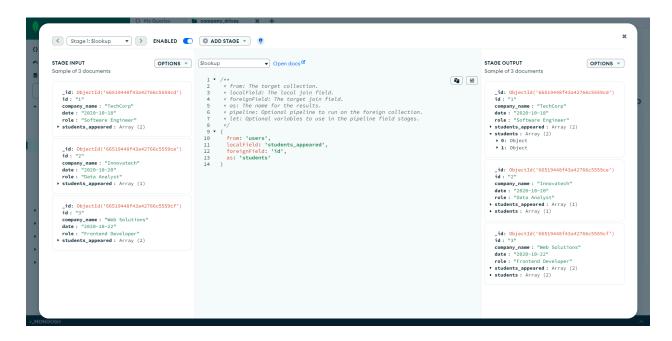


#### Shell:

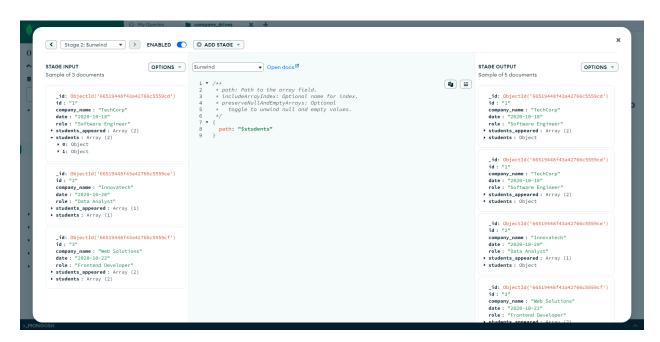
#### 3. Find all the company drives and students who are appeared for the placement

### MongoDB Compass:

\$lookup stage:



## \$unwind stage:



## \$project stage:

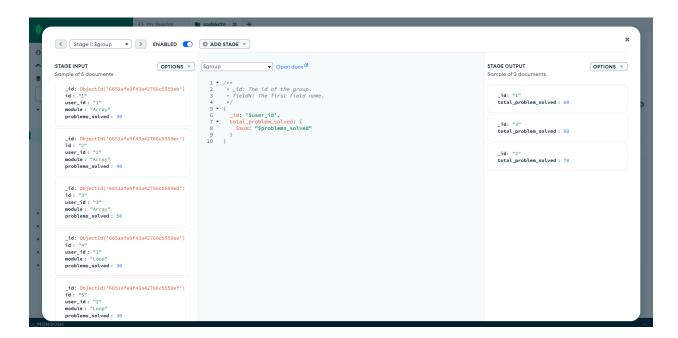
```
OPTIONS ▼ Sproject ▼ Open docs ♥
                                                                                                                                                                                                                                                                                                                                             STAGE OUTPUT
                                                                                                                                                                                                                                                                                                                                                                                                                          OPTIONS *
Sample of 5 documents
                                                                                                                                                                                                                                                                                                                                             Sample of 5 documents
                                                                                                              company_name: "TechCorp"
role: "Software Engineer"

* students: Object
name: "Alice"
email: "alice@example.com"
   _id: ObjectId('66519448f43a42766c5559cd')
id: "!"
company_name: "TechCorp"
date: "2020-10-18"
role: "Software Engineer"
> students_appeared: Array (2)
> students_object
                                                                                                                                                                                                                                                                                                                                                company_name: "TechCorp"
role: "Software Engineer"
v students: Object
name: "Bob"
email: "bob@example.com"
   _id: ObjectId('66519448f43a42766c5559cd')
id: "1"
company_name: "TechCorp"
date: "2020-10-18"
role: "Software Engineer"
> students_appeared: Array (2)
> students_object
                                                                                                                                                                                                                                                                                                                                                company_name: "Innovatech"
role: "Data Analyst"
v students: Object
name: "Alice"
email: "alice@example.com"
   _id: ObjectId('66519448f43a42766c5559ce')
id: "2"
company_name: "Innovatech"
date: "2020-10-20"
role: "Data Analyst"
> studenta_appeared: Array (1)
> students_object
                                                                                                                                                                                                                                                                                                                                                company_name: "Web Solutions"
role: "Frontend Developer"
v students: Object
name: "Alice"
email: "alice@example.com"
       _id: ObjectId('66519448f43a42766c5599cf')
id: "3"
company_name: "Web Solutions"
date: "2020-10-22"
role: "Forotend Developer"
ctudants_annamed: &craw_(7)
                                                                                                                                                                                                                                                                                                                                                company_name: "Web Solutions"
role: "Frontend Developer"
v students: Object
name: "Martin"
email: "martin@example.com"
```

#### Shell:

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

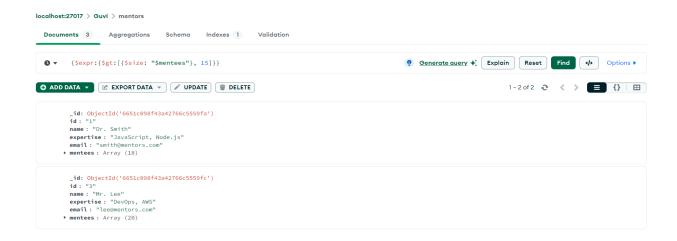
## MongoDB Compass:



#### Shell:

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

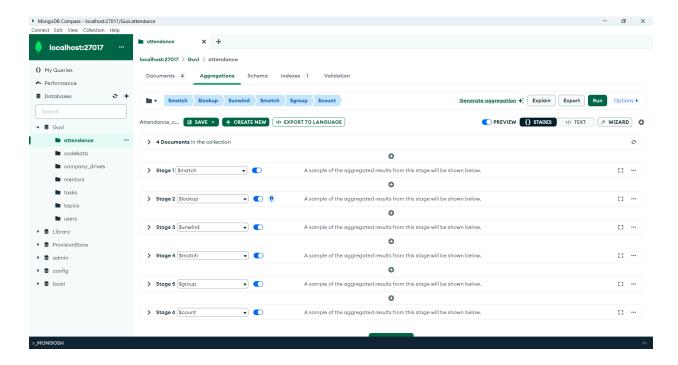
## **MongoDB Compass:**



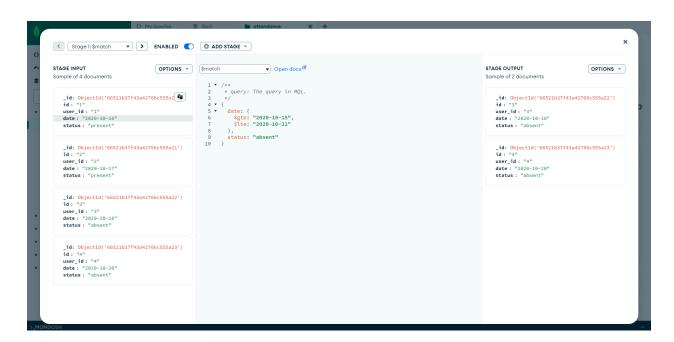
#### Shell:

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

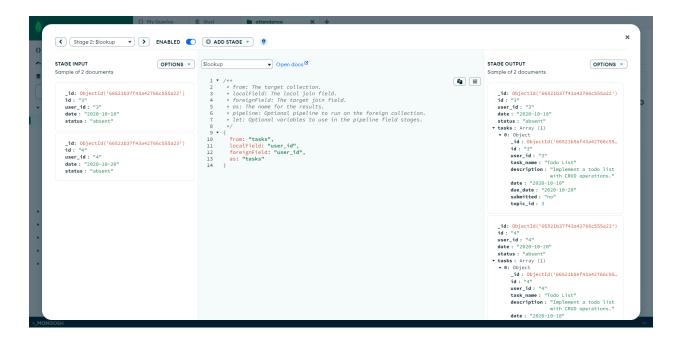
#### MongoDB Compass:



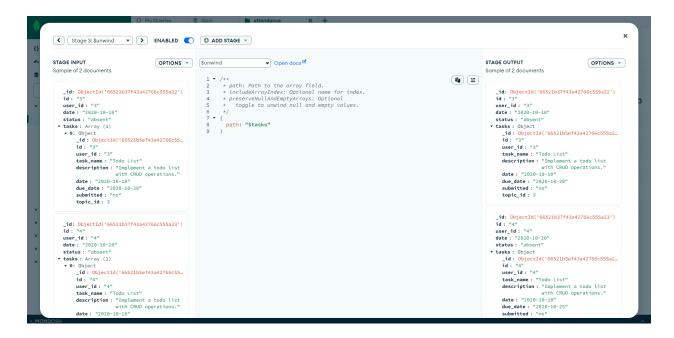
## 1.\$match Stage



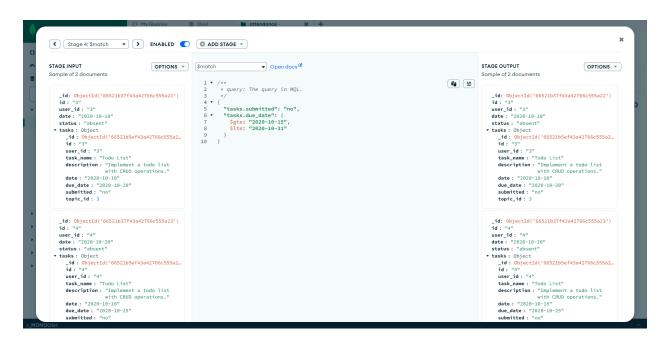
## 2.\$lookup Stage:



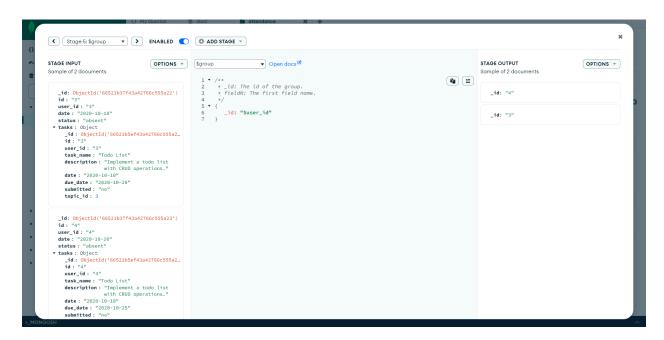
## 3.\$unwind stage



## 4.\$match stage:



## 5.\$group stage:



## 6.\$count stage:

