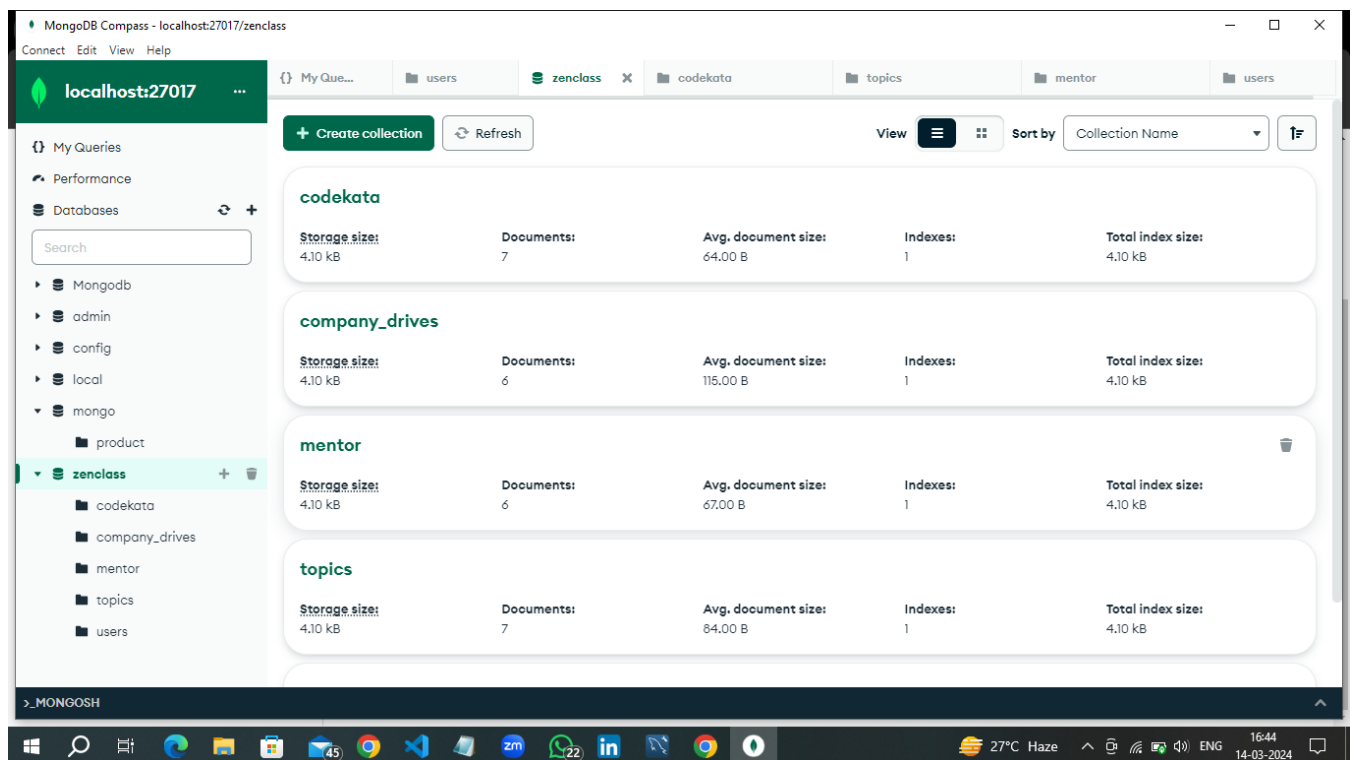


MONGODB DAY 4

Design database for Zen class programme

Database are Created Using Mongo Compass



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

QUERY

```
db.topics.find({month:"october"},{ "_id": 0 })
```

Output

All documents in the collection are displayed

```
> db.topics.find({month:"october"},{ "_id": 0 })
{ "topic" : "javascript_Day1", "month" : "october", "topic_id" : "1" }
{ "topic" : "javascript_Day2", "month" : "october", "topic_id" : "2" }
{ "topic" : "javascript_Day3", "month" : "october", "topic_id" : "3" }
>
```

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

QUERY

```
db.company_drives.find({"date" : {"$gt":"15 oct-2020" ,"$lt":"31 oct-2020"}},{ "_id": 0 })
```

Output

```
> db.company_drives.find({"date" : {"$gt":"15 oct-2020" ,"$lt":"31 oct-2020"}},{ "_id": 0 })
{ "company_name" : "hcl", "date" : "2024-04-25", "students_appeared" : "Gomathy,Abi,Anu" }
{ "company_name" : "cts", "date" : "2024-05-16", "students_appeared" : "Mahesh,Manoj,Arivu" }
{ "company_name" : "tcs", "date" : "2024-03-27", "students_appeared" : "Ashok,Anu,Abi,Arivu,Gomathy,Mahesh,Manoj" }
{ "company_name" : "zoho", "date" : "2024-05-15", "students_appeared" : "Anu,Abi,Manoj" }
{ "company_name" : "guvi", "date" : "2024-04-25", "students_appeared" : "Ashok,Anu,Abi,Arivu,Gomathy,Mahesh,Manoj" }
{ "company_name" : "Google", "date" : "2024-03-25", "student_appeared" : "Gomathy,Abi,Anu,Mahesh,Manoj" }
```

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

QUERY

```
db.company_drives.find().forEach(element => {  
  print(' Company Drives : ${element.company_name}`);  
  print(' Students : ${element.students_appeared}`);  
});
```

OUTPUT

```
Company Drives : hcl  
Students : Gomathy,Abi,Anu  
Company Drives : cts  
Students : Mahesh,Manoj,Arivu  
Company Drives : tcs  
Students : Ashok,Anu,Abi,Arivu,Gomathy,Mahesh,Manoj  
Company Drives : zoho  
Students : Anu,Abi,Manoj  
Company Drives : guvi  
Students : Ashok,Anu,Abi,Arivu,Gomathy,Mahesh,Manoj  
Company Drives : Google  
Students : undefined  
> █
```

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

QUERY

```
db.codekata.find().forEach(elements => {  
  print(' Student Name : ${elements.user_name}`)  
  print(' Problem Solved : ${elements.problems_solved}`)  
})
```

Output

```

Student Name : Gomathy
Problem Solved : 88
Student Name : Anu
Problem Solved : 18
Student Name : Abi
Problem Solved : 48
Student Name : Mahesh
Problem Solved : 58
Student Name : Manoj
Problem Solved : 45
Student Name : Ashok
Problem Solved : 91
Student Name : Gabrila
Problem Solved : 11
>

```

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

QUERY

```
db.mentor.find({mentees_count:{$gt:15}},{ "_id": 0 })
```

Output

```

> db.mentor.find({mentees_count:{$gt:15}},{ "_id": 0 })
{ "mentor_name" : "thiru", "mentees_count" : 35 }
{ "mentor_name" : "shanmugam", "mentees_count" : 44 }
{ "mentor_name" : "Abinaya", "mentees_count" : 29 }
> ■

```

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

QUERY

```

db.user.find({"date":{"$gt":"15 oct-2020","$lt":"31-oct-2020"}}).forEach(elements => {
  print( Attendance : ${elements.attendance} `)
  print( Task Submission : ${elements.task_submission} `)
})

```