

# CREATE DATABASE AND COLLECTION IN MONGODB

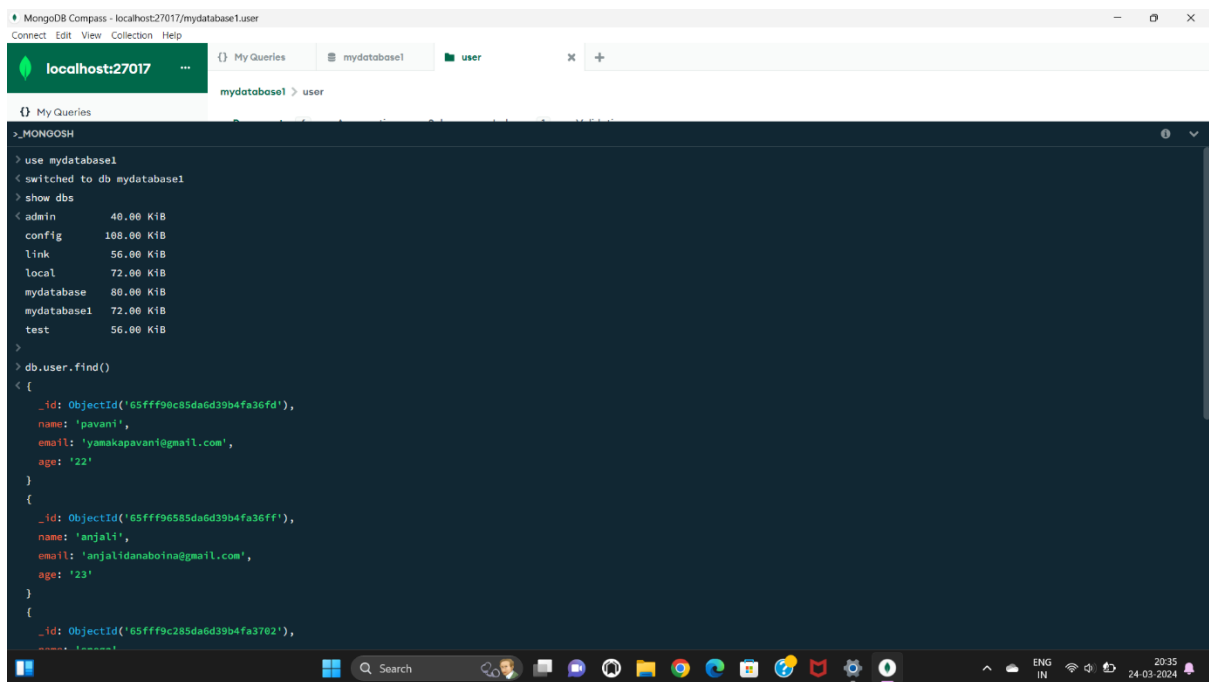
>use My Database1

Switched to db MyDatabase1

## TO DISPLAY DATA

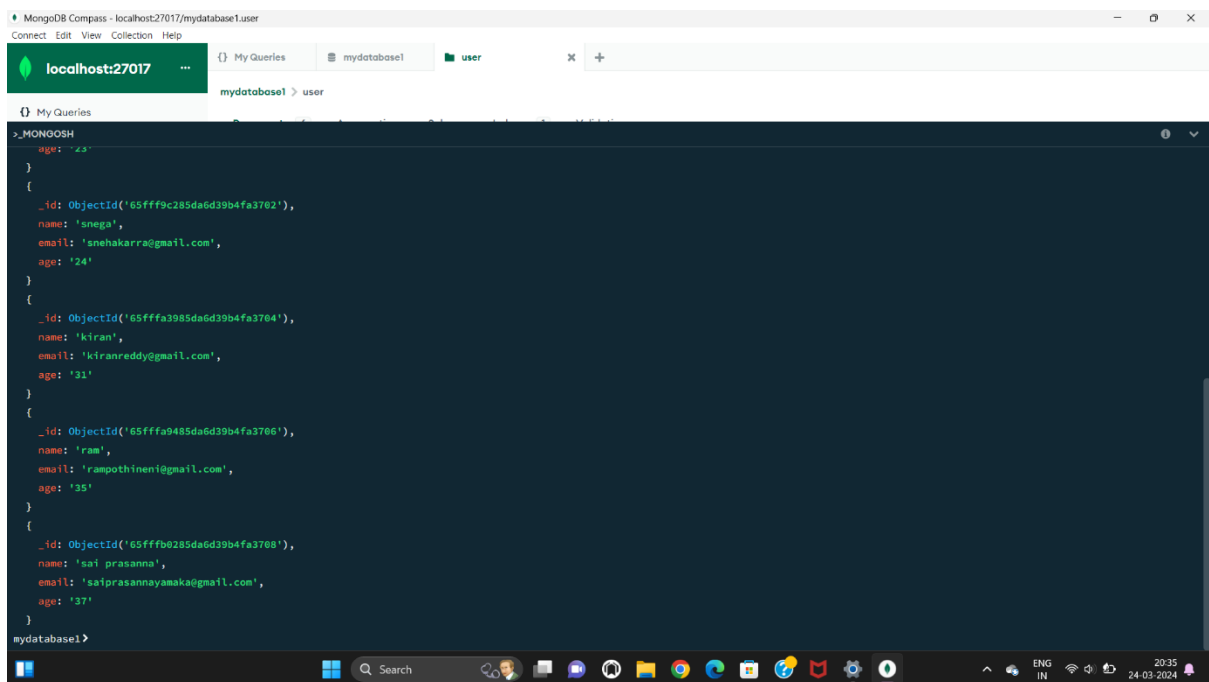
**Syntax:**

MyDatabase1>db.user.find()



The screenshot shows the MongoDB Compass interface. The 'My Queries' tab is active, displaying a MONGOOSH terminal window. The terminal shows the following commands and output:

```
> use mydatabase1
< switched to db mydatabase1
> show dbs
admin          40.00 KiB
config         168.00 KiB
link           56.00 KiB
local          72.00 KiB
mydatabase     88.00 KiB
mydatabase1    72.00 KiB
test           56.00 KiB
>
> db.user.find()
< [
  {
    _id: ObjectId('65fff90c85da6d39b4fa36fd'),
    name: 'pavan1',
    email: 'yamakapavani@gmail.com',
    age: '22'
  },
  {
    _id: ObjectId('65fff96585da6d39b4fa36ff'),
    name: 'anjal1',
    email: 'anjalidanaboina@gmail.com',
    age: '23'
  },
  {
    _id: ObjectId('65fff9c285da6d39b4fa3702'),
    name: 'sneha',
    email: 'snehakarra@gmail.com',
    age: '24'
  },
  {
    _id: ObjectId('65fffa3985da6d39b4fa3704'),
    name: 'kiran',
    email: 'kiranreddy@gmail.com',
    age: '31'
  },
  {
    _id: ObjectId('65fffa9485da6d39b4fa3706'),
    name: 'ram',
    email: 'rampothineni@gmail.com',
    age: '35'
  },
  {
    _id: ObjectId('65fffb0285da6d39b4fa3708'),
    name: 'sai prasanna',
    email: 'saiprasannayamaka@gmail.com',
    age: '37'
  }
]
```



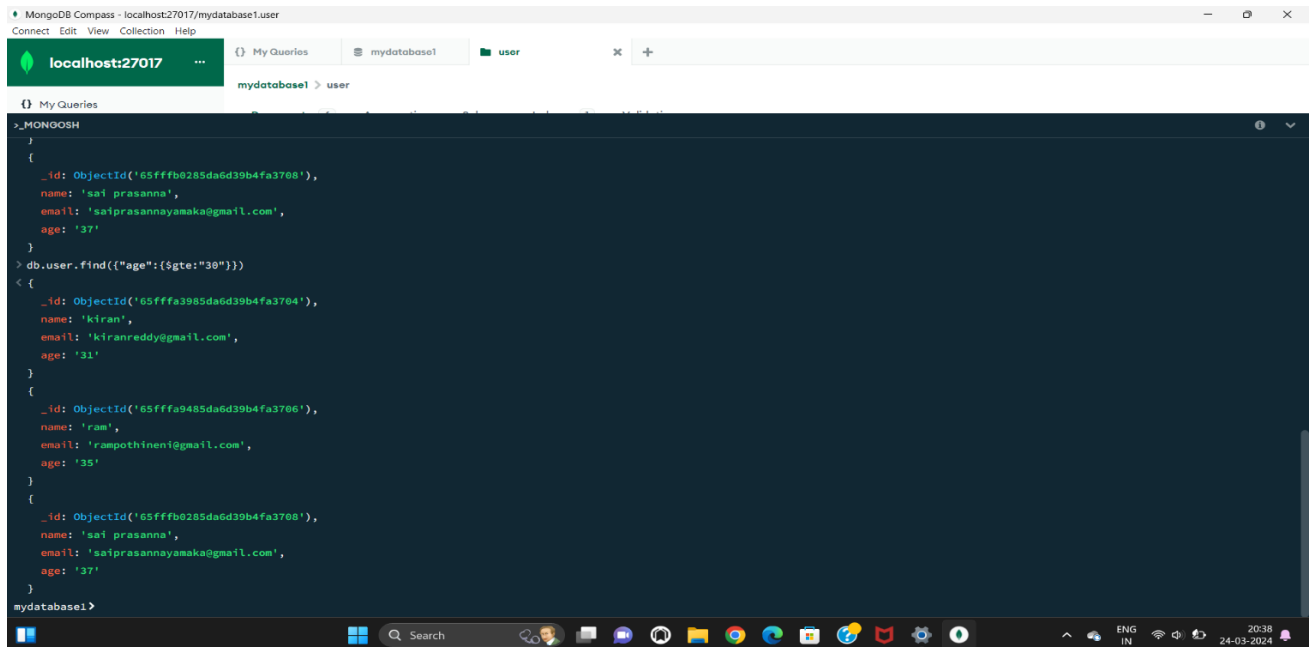
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    name: 'pavan1',
    email: 'yamakapavani@gmail.com',
    age: '22'
  },
  {
    _id: ObjectId('65fff96585da6d39b4fa36ff'),
    name: 'anjal1',
    email: 'anjalidanaboina@gmail.com',
    age: '23'
  },
  {
    _id: ObjectId('65fff9c285da6d39b4fa3702'),
    name: 'sneha',
    email: 'snehakarra@gmail.com',
    age: '24'
  },
  {
    _id: ObjectId('65fffa3985da6d39b4fa3704'),
    name: 'kiran',
    email: 'kiranreddy@gmail.com',
    age: '31'
  },
  {
    _id: ObjectId('65fffa9485da6d39b4fa3706'),
    name: 'ram',
    email: 'rampothineni@gmail.com',
    age: '35'
  },
  {
    _id: ObjectId('65fffb0285da6d39b4fa3708'),
    name: 'sai prasanna',
    email: 'saiprasannayamaka@gmail.com',
    age: '37'
  }
]
```

## TO DISPLAY AGE GREATER THAN EQUAL TO 30

### Syntax:

MyDatabase1>db.user.find({"age":{"\$gte":"30"}})



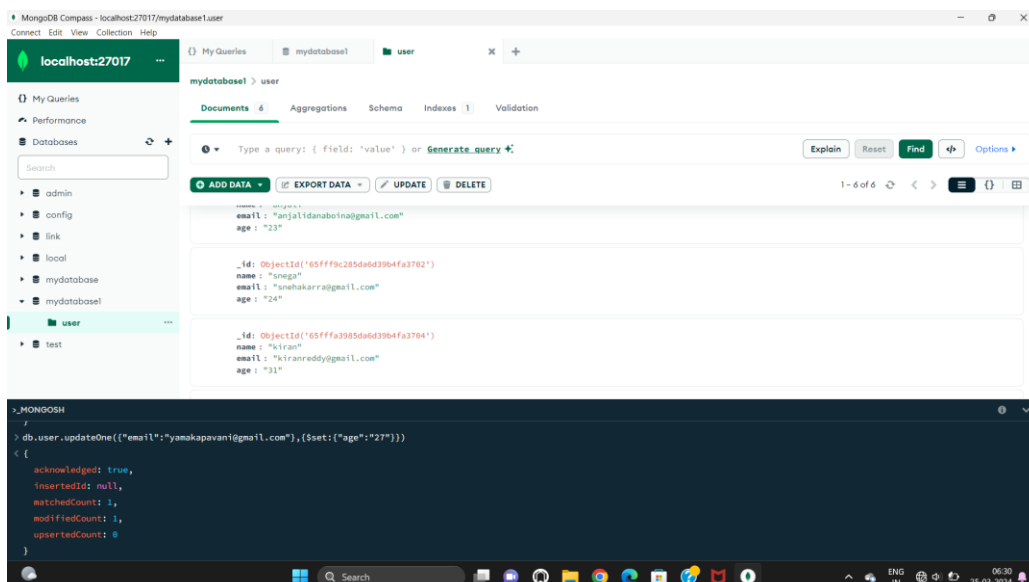
The screenshot shows the MongoDB Compass interface. The top bar indicates the connection to 'localhost:27017' and the database 'mydatabase1'. The left sidebar shows the database structure with 'user' selected. The main panel displays the results of the query `db.user.find({"age":{"$gte":"30"}})`. The results are shown in a JSON format, listing three users: 'sai prasanna' (age 37), 'kiran' (age 31), and 'ram' (age 35). The bottom status bar shows the system time as 20:38 on 24-03-2024.

```
> db.user.find({"age":{"$gte":"30"}})
{
  "_id": ObjectId("65fff0285da6d39b4fa3708"),
  "name": "sai prasanna",
  "email": "saiprasannayamaka@gmail.com",
  "age": "37"
}
{
  "_id": ObjectId("65fffa3985da6d39b4fa3704"),
  "name": "kiran",
  "email": "kiranreddy@gmail.com",
  "age": "31"
}
{
  "_id": ObjectId("65fffa9485da6d39b4fa3706"),
  "name": "ram",
  "email": "rampothineni@gmail.com",
  "age": "35"
}
{
  "_id": ObjectId("65fff0285da6d39b4fa3708"),
  "name": "sai prasanna",
  "email": "saiprasannayamaka@gmail.com",
  "age": "37"
}
```

## Update the age of a user with a specific email address

### Syntax:

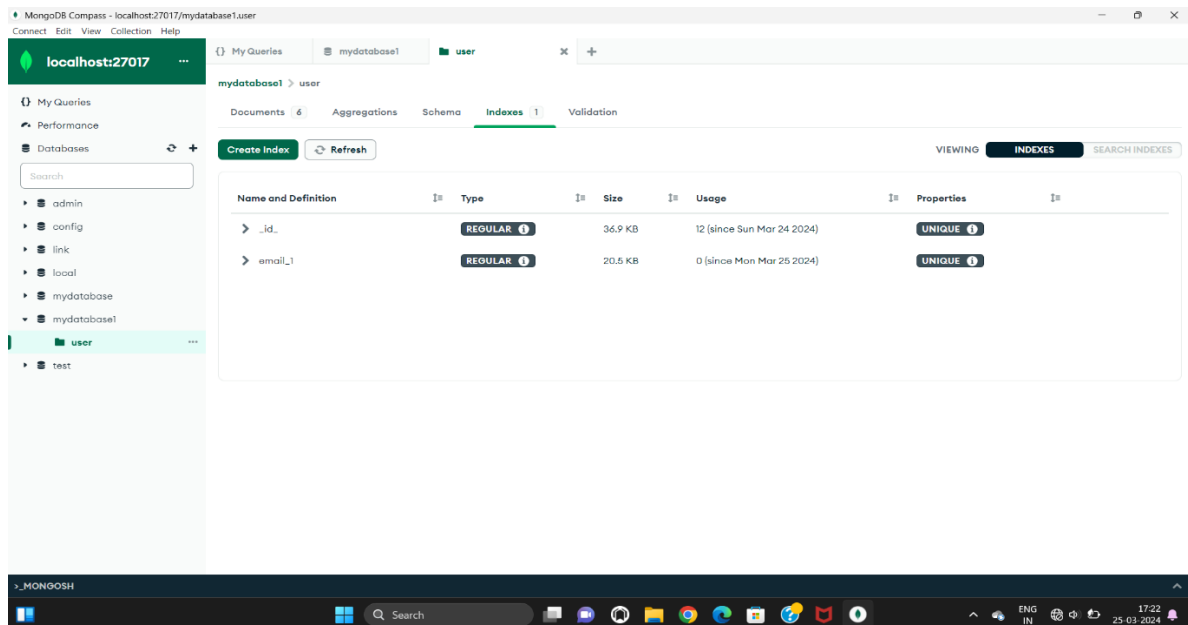
MyDatabase1>db.user.updateOne(  
{ "email": "[yamakapavani@gmail.com](mailto:yamakapavani@gmail.com)" },  
{\$set:{ "age": "27" }})



The screenshot shows the MongoDB Compass interface. The top bar indicates the connection to 'localhost:27017' and the database 'mydatabase1'. The left sidebar shows the database structure with 'user' selected. The main panel displays the 'Documents' tab for the 'user' collection. A query is entered: `{ "email": "yamakapavani@gmail.com" }`. The results show three documents: 'anjali danaboina' (age 23), 'sneha' (age 24), and 'kiran' (age 31). The bottom status bar shows the system time as 06:30 on 25-03-2024.

```
> db.user.updateOne({"email":"yamakapavani@gmail.com"},{$set:{ "age": "27" }})
{
  "acknowledged": true,
  "insertedId": null,
  "matchedCount": 1,
  "modifiedCount": 1,
  "upsertedCount": 0
}
```

## CREATE AN INDEX ON THE EMAIL FIELD OF THE USER COLLECTION.



Delete a user document based on a specific email Address.

Syntax:

MyDatabase1>db.user.deleteOne({"email":[rampothineni@gmail.com](mailto:rampothineni@gmail.com)})

