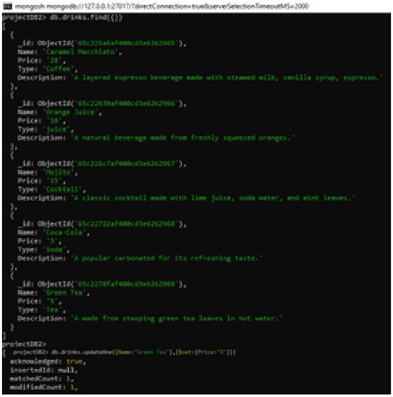
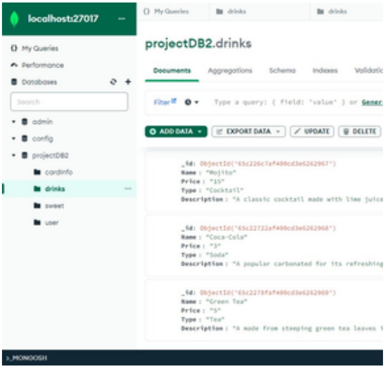
Query Demonstrations:

Update documents in drinks collection

Updated documents on the price of green tea

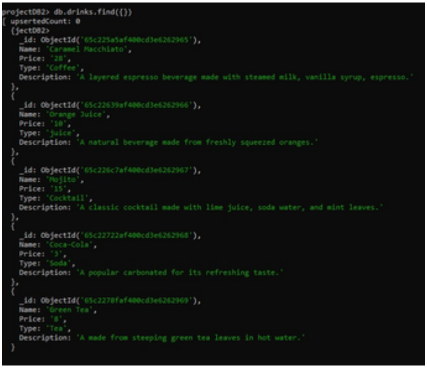


```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
projectDB2> db.drinks.find({})
[
  {
    _id: ObjectId('65c225a5af400cd3e6262965'),
    Name: 'Caramel Macchiato',
    Price: '28',
    Type: 'Coffee',
    Description: 'A layered espresso beverage made with steamed milk, vanilla syrup, espresso.'
  },
  {
    _id: ObjectId('65c22639af400cd3e6262966'),
    Name: 'Orange Juice',
    Price: '10',
    Type: 'juice',
    Description: 'A natural beverage made from freshly squeezed oranges.'
  },
  {
    _id: ObjectId('65c226c7af400cd3e6262967'),
    Name: 'Mojito',
    Price: '15',
    Type: 'Cocktail',
    Description: 'A classic cocktail made with lime juice, soda water, and mint leaves.'
  },
  {
    _id: ObjectId('65c22722af400cd3e6262968'),
    Name: 'Coca-Cola',
    Price: '3',
    Type: 'Soda',
    Description: 'A popular carbonated for its refreshing taste.'
  },
  {
    _id: ObjectId('65c2278faf400cd3e6262969'),
    Name: 'Green Tea',
    Price: '5',
    Type: 'Tea',
    Description: 'A made from steeping green tea leaves in hot water.'
  }
]
projectDB2>
{  projectDB2> db.drinks.updateOne({Name:"Green Tea"},{$set:{Price:"8"}})
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
```

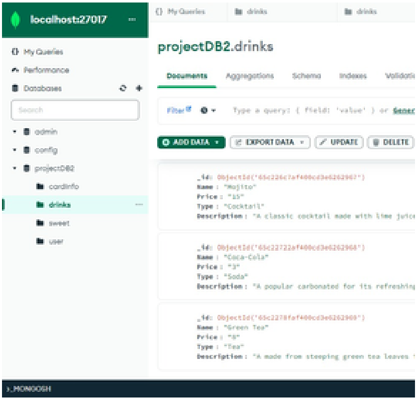


```
_id: ObjectId('65c226c7af400cd3e6262967')
Name : "Mojito"
Price : "15"
Type : "Cocktail"
Description : "A classic cocktail made with lime juice

_id: ObjectId('65c22722af400cd3e6262968')
Name : "Coca-Cola"
Price : "3"
Type : "Soda"
Description : "A popular carbonated for its refreshing

_id: ObjectId('65c2278faf400cd3e6262969')
Name : "Green Tea"
Price : "5"
Type : "Tea"
Description : "A made from steeping green tea leaves i
```

Its price has been changed from 5 to 8



```
projectDB2> db.drinks.find({})
[ upsertedCount: 0
  {jectDB2>
    _id: ObjectId('65c225a5af400cd3e6262965'),
    Name: 'Caramel Macchiato',
    Price: '28',
    Type: 'Coffee',
    Description: 'A layered espresso beverage made with steamed milk, vanilla syrup, espresso.'
  },
  {
    _id: ObjectId('65c22639af400cd3e6262966'),
    Name: 'Orange Juice',
    Price: '10',
    Type: 'juice',
    Description: 'A natural beverage made from freshly squeezed oranges.'
  },
  {
    _id: ObjectId('65c226c7af400cd3e6262967'),
    Name: 'Mojito',
    Price: '15',
    Type: 'Cocktail',
    Description: 'A classic cocktail made with lime juice, soda water, and mint leaves.'
  },
  {
    _id: ObjectId('65c22722af400cd3e6262968'),
    Name: 'Coca-Cola',
    Price: '3',
    Type: 'Soda',
    Description: 'A popular carbonated for its refreshing taste.'
  },
  {
    _id: ObjectId('65c2278faf400cd3e6262969'),
    Name: 'Green Tea',
    Price: '8',
    Type: 'Tea',
    Description: 'A made from steeping green tea leaves in hot water.'
  }
```

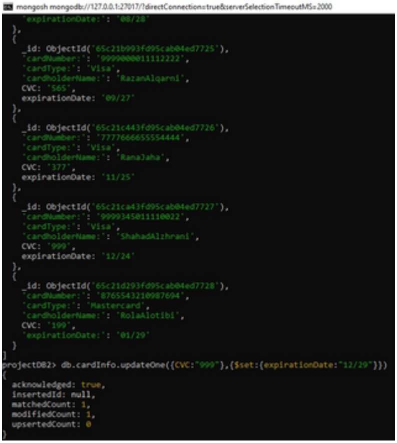


```
_id: ObjectId('65c226c7af400cd3e6262967')
Name : "Mojito"
Price : "15"
Type : "Cocktail"
Description : "A classic cocktail made with lime juice

_id: ObjectId('65c22722af400cd3e6262968')
Name : "Coca-Cola"
Price : "3"
Type : "Soda"
Description : "A popular carbonated for its refreshing

_id: ObjectId('65c2278faf400cd3e6262969')
Name : "Green Tea"
Price : "8"
Type : "Tea"
Description : "A made from steeping green tea leaves i
```

Query Demonstrations:

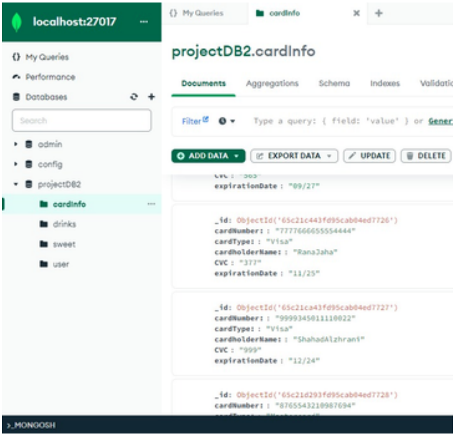
Update documents in cardInfo collection

Updated documents on the expirationDate of Shahad AlZahrani



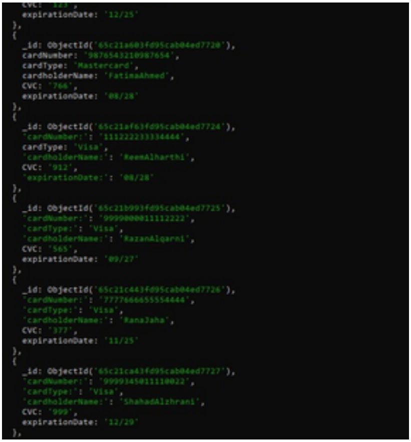
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
    'expirationDate:': '08/28'
  },
  {
    _id: ObjectId('65c21b993fd95cab04ed7725'),
    'cardNumber:': '9999000011112222',
    'cardType:': 'Visa',
    'cardholderName:': 'RazanAlqarni',
    CVC: '565',
    expirationDate: '09/27'
  },
  {
    _id: ObjectId('65c21c443fd95cab04ed7726'),
    'cardNumber:': '7777666655554444',
    'cardType:': 'Visa',
    'cardholderName:': 'RanaJaha',
    CVC: '377',
    expirationDate: '11/25'
  },
  {
    _id: ObjectId('65c21ca43fd95cab04ed7727'),
    'cardNumber:': '9999345011110022',
    'cardType:': 'Visa',
    'cardholderName:': 'ShahadAlzhrani',
    CVC: '999',
    expirationDate: '12/24'
  },
  {
    _id: ObjectId('65c21d293fd95cab04ed7728'),
    'cardNumber:': '8765543210987694',
    'cardType:': 'Mastercard',
    'cardholderName:': 'RolaAlotibi',
    CVC: '199',
    'expirationDate:': '01/29'
  }
]
projectDB2> db.cardInfo.updateOne({CVC:"999"},{$set:{expirationDate:"12/29"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

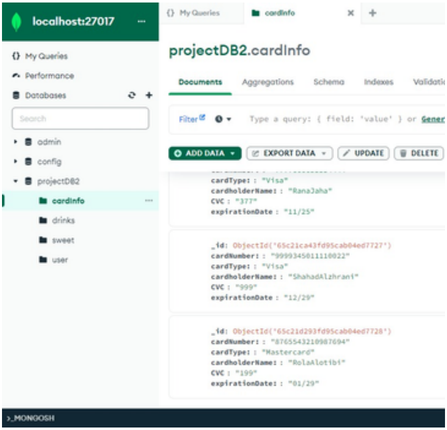


```
CVC : "565"
expirationDate : "09/27"

_id: ObjectId('65c21c443fd95cab04ed7726')
cardNumber: : "7777666655554444"
cardType: : "Visa"
cardholderName: : "RanaJaha"
CVC : "377"
expirationDate : "11/25"

_id: ObjectId('65c21ca43fd95cab04ed7727')
cardNumber: : "9999345011110022"
cardType: : "Visa"
cardholderName: : "ShahadAlzhrani"
CVC : "999"
expirationDate : "12/24"

_id: ObjectId('65c21d293fd95cab04ed7728')
cardNumber: : "8765543210987694"
```

The expirationDate of the card has been changed from 12/24 to 12/29



```
    CVC: '123',
    expirationDate: '12/25'
  },
  {
    _id: ObjectId('65c21a603fd95cab04ed7720'),
    cardNumber: '9876543210987654',
    cardType: 'Mastercard',
    cardholderName: 'FatimaAhmed',
    CVC: '766',
    expirationDate: '08/28'
  },
  {
    _id: ObjectId('65c21af63fd95cab04ed7724'),
    'cardNumber:': '1111222233334444',
    cardType: 'Visa',
    'cardholderName:': 'ReemAlharthi',
    CVC: '912',
    'expirationDate:': '08/28'
  },
  {
    _id: ObjectId('65c21b993fd95cab04ed7725'),
    'cardNumber:': '9999000011112222',
    'cardType:': 'Visa',
    'cardholderName:': 'RazanAlqarni',
    CVC: '565',
    expirationDate: '09/27'
  },
  {
    _id: ObjectId('65c21c443fd95cab04ed7726'),
    'cardNumber:': '7777666655554444',
    'cardType:': 'Visa',
    'cardholderName:': 'RanaJaha',
    CVC: '377',
    expirationDate: '11/25'
  },
  {
    _id: ObjectId('65c21ca43fd95cab04ed7727'),
    'cardNumber:': '9999345011110022',
    'cardType:': 'Visa',
    'cardholderName:': 'ShahadAlzhrani',
    CVC: '999',
    expirationDate: '12/29'
  },
```

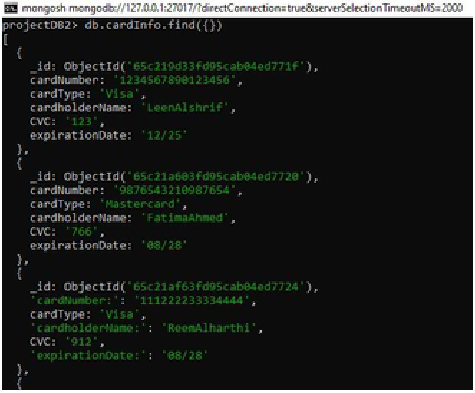


```
cardType: : "Visa"
cardholderName: : "RanaJaha"
CVC : "377"
expirationDate : "11/25"

_id: ObjectId('65c21ca43fd95cab04ed7727')
cardNumber: : "9999345011110022"
cardType: : "Visa"
cardholderName: : "ShahadAlzhrani"
CVC : "999"
expirationDate : "12/29"

_id: ObjectId('65c21d293fd95cab04ed7728')
cardNumber: : "8765543210987694"
cardType: : "Mastercard"
cardholderName: : "RolaAlotibi"
CVC : "199"
expirationDate: : "01/29"
```

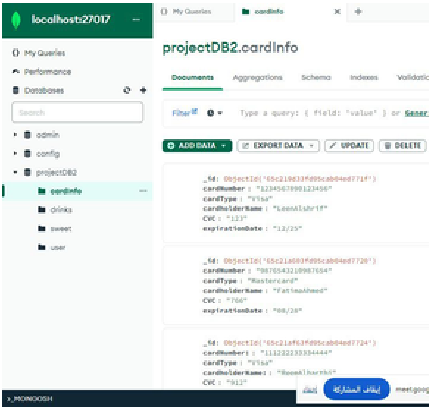
Query Demonstrations:

Delete document from cardInfo collection

Here card of Fatima Ahmed is present

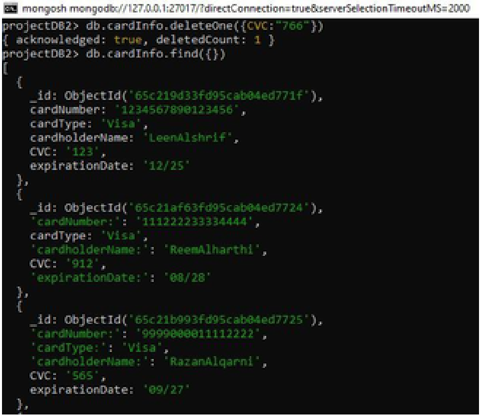


```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
projectDB2> db.cardInfo.find({})
[
  {
    _id: ObjectId('65c219d33fd95cab04ed771f'),
    cardNumber: '1234567890123456',
    cardType: 'Visa',
    cardholderName: 'LeenAlshrif',
    CVC: '123',
    expirationDate: '12/25'
  },
  {
    _id: ObjectId('65c21a603fd95cab04ed7720'),
    cardNumber: '9876543210987654',
    cardType: 'Mastercard',
    cardholderName: 'FatimaAhmed',
    CVC: '766',
    expirationDate: '08/28'
  },
  {
    _id: ObjectId('65c21af63fd95cab04ed7724'),
    'cardNumber:': '1112222333344444',
    cardType: 'Visa',
    'cardholderName:': 'ReemAlharthi',
    CVC: '912',
    'expirationDate:': '08/28'
  },
  {
```

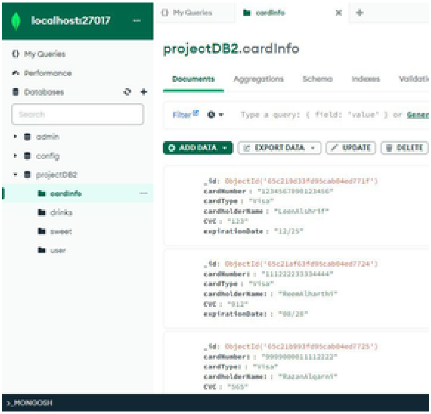


```
_id: ObjectId('65c219d33fd95cab04ed771f')
cardNumber : "1234567890123456"
cardType : "Visa"
cardholderName : "LeenAlshrif"
CVC : "123"
expirationDate : "12/25"

_id: ObjectId('65c21a603fd95cab04ed7720')
cardNumber : "9876543210987654"
cardType : "Mastercard"
cardholderName : "FatimaAhmed"
CVC : "766"
expirationDate : "08/28"

_id: ObjectId('65c21af63fd95cab04ed7724')
cardNumber: : "1112222333344444"
cardType : "Visa"
cardholderName: : "ReemAlharthi"
CVC : "912"
```

Delete card of Fatima Ahmed



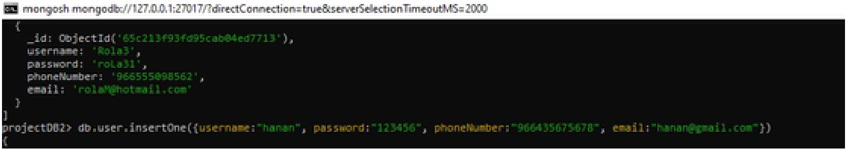
```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
projectDB2> db.cardInfo.deleteOne({CVC:"766"})
{ acknowledged: true, deletedCount: 1 }
projectDB2> db.cardInfo.find({})
[
  {
    _id: ObjectId('65c219d33fd95cab04ed771f'),
    cardNumber: '1234567890123456',
    cardType: 'Visa',
    cardholderName: 'LeenAlshrif',
    CVC: '123',
    expirationDate: '12/25'
  },
  {
    _id: ObjectId('65c21af63fd95cab04ed7724'),
    'cardNumber:': '1112222333344444',
    cardType: 'Visa',
    'cardholderName:': 'ReemAlharthi',
    CVC: '912',
    'expirationDate:': '08/28'
  },
  {
    _id: ObjectId('65c21b993fd95cab04ed7725'),
    'cardNumber:': '9999000011112222',
    'cardType:': 'Visa',
    'cardholderName:': 'RazanAlqarni',
    CVC: '565',
    expirationDate: '09/27'
  },
```



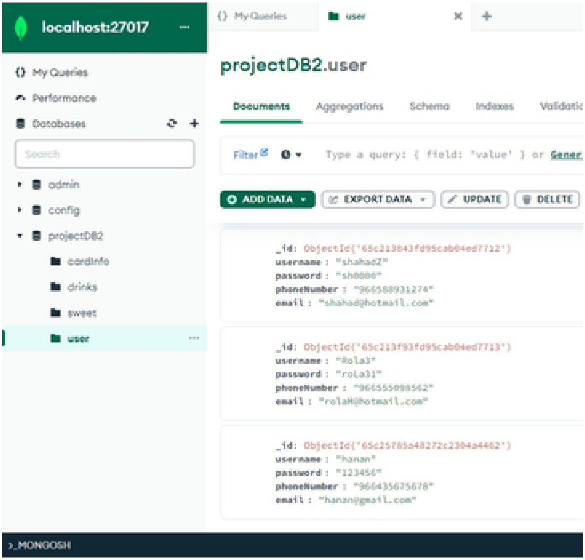
```
_id: ObjectId('65c219d33fd95cab04ed771f')
cardNumber : "1234567890123456"
cardType : "Visa"
cardholderName : "LeenAlshrif"
CVC : "123"
expirationDate : "12/25"

_id: ObjectId('65c21af63fd95cab04ed7724')
cardNumber: : "1112222333344444"
cardType : "Visa"
cardholderName: : "ReemAlharthi"
CVC : "912"
expirationDate: : "08/28"

_id: ObjectId('65c21b993fd95cab04ed7725')
cardNumber: : "9999000011112222"
cardType: : "Visa"
cardholderName: : "RazanAlqarni"
CVC : "565"
```

Query Demonstrations:

insert new user to User collection



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
  {
    _id: ObjectId('65c213f93fd95cab04ed7713'),
    username: 'Rola3',
    password: 'roLa31',
    phoneNumber: '966555098562',
    email: 'rolaM@hotmail.com'
  }
]
projectDB2> db.user.insertOne({username:"hanan", password:"123456", phoneNumber:"966435675678", email:"hanan@gmail.com"})
{
```

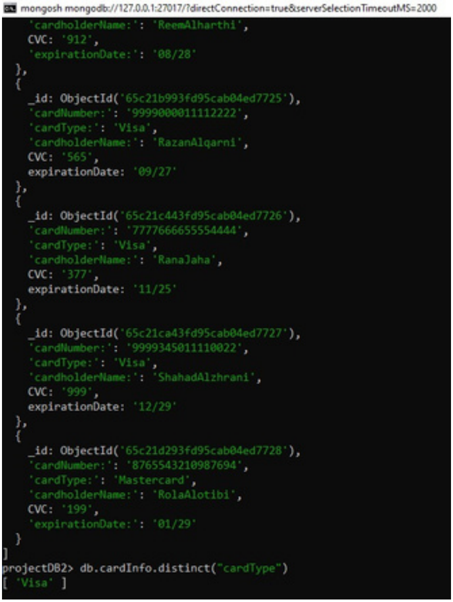


```
_id: ObjectId('65c213843fd95cab04ed7712')
username : "shahad2"
password : "sh0000"
phoneNumber : "966588931274"
email : "shahad@hotmail.com"

_id: ObjectId('65c213f93fd95cab04ed7713')
username : "Rola3"
password : "roLa31"
phoneNumber : "966555098562"
email : "rolaM@hotmail.com"

_id: ObjectId('65c25785a48272c2304a4462')
username : "hanan"
password : "123456"
phoneNumber : "966435675678"
email : "hanan@gmail.com"
```

Adding a new user of username hanan

Query Demonstrations:

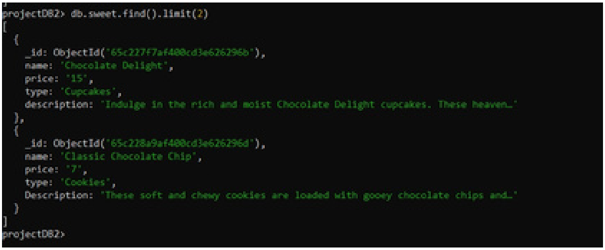
Retrieve the distinct card type in cardInfo collection



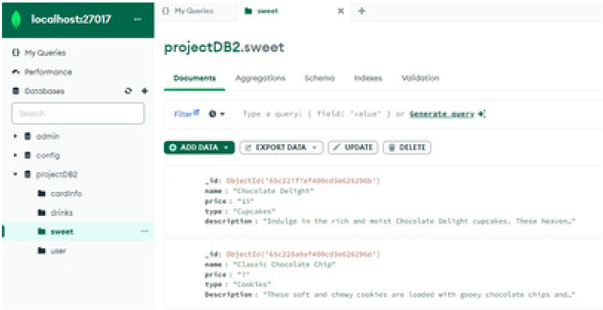
```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
    'cardholderName:': 'ReemAlharthi',
    CVC: '912',
    'expirationDate:': '08/28'
  },
  {
    _id: ObjectId('65c21b993fd95cab04ed7725'),
    'cardNumber:': '9999000011112222',
    'cardType:': 'Visa',
    'cardholderName:': 'RazanAlqarni',
    CVC: '565',
    expirationDate: '09/27'
  },
  {
    _id: ObjectId('65c21c443fd95cab04ed7726'),
    'cardNumber:': '7777666655554444',
    'cardType:': 'Visa',
    'cardholderName:': 'RanaJaha',
    CVC: '377',
    expirationDate: '11/25'
  },
  {
    _id: ObjectId('65c21ca43fd95cab04ed7727'),
    'cardNumber:': '9999345011110022',
    'cardType:': 'Visa',
    'cardholderName:': 'ShahadAlzhrani',
    CVC: '999',
    expirationDate: '12/29'
  },
  {
    _id: ObjectId('65c21d293fd95cab04ed7728'),
    'cardNumber:': '8765543210987694',
    'cardType:': 'Mastercard',
    'cardholderName:': 'RolaAlotibi',
    CVC: '199',
    'expirationDate:': '01/29'
  }
]
projectDB2> db.cardInfo.distinct("cardType")
[ 'Visa' ]
```

Query Demonstrations:

Retrieves only the first two documents from the sweet collection



```
projectDB2> db.sweet.find().limit(2)
[
  {
    _id: ObjectId('65c227f7af400cd3e626296b'),
    name: 'Chocolate Delight',
    price: '15',
    type: 'Cupcakes',
    description: 'Indulge in the rich and moist Chocolate Delight cupcakes. These heaven…'
  },
  {
    _id: ObjectId('65c228a9af400cd3e626296d'),
    name: 'Classic Chocolate Chip',
    price: '7',
    type: 'Cookies',
    Description: 'These soft and chewy cookies are loaded with gooey chocolate chips and…'
  }
]
projectDB2>
```

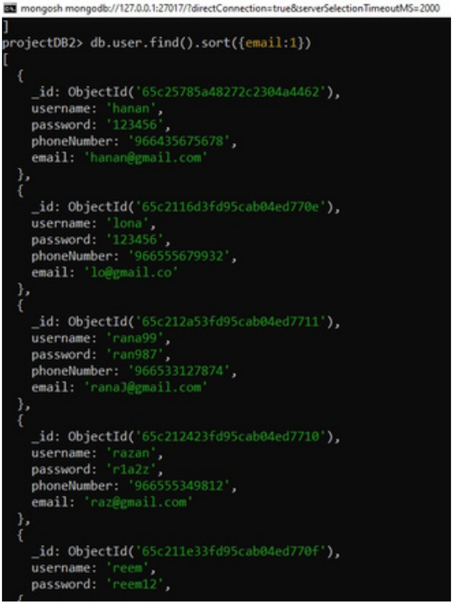


projectDB2.sweet

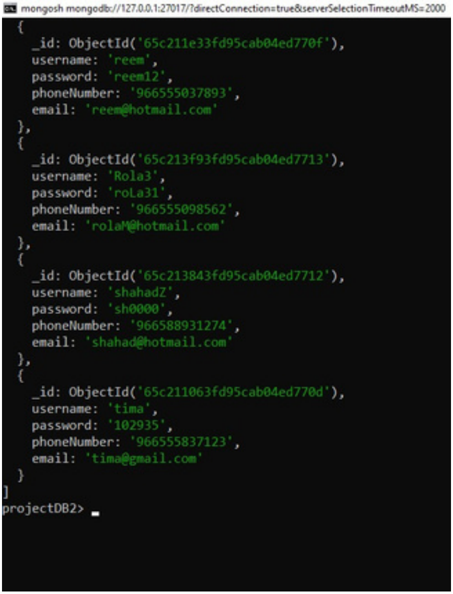
```
_id: ObjectId('65c227f7af400cd3e626296b')
name : "Chocolate Delight"
price : "15"
type : "Cupcakes"
description : "Indulge in the rich and moist Chocolate Delight cupcakes. These heaven…"

_id: ObjectId('65c228a9af400cd3e626296d')
name : "Classic Chocolate Chip"
price : "7"
type : "Cookies"
Description : "These soft and chewy cookies are loaded with gooey chocolate chips and…"
```

Query Demonstrations:

Retrieves all documents from the user collection, and sorts them in ascending order based on the "email" field



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
]
projectDB2> db.user.find().sort({email:1})
[
  {
    _id: ObjectId('65c25785a48272c2304a4462'),
    username: 'hanan',
    password: '123456',
    phoneNumber: '966435675678',
    email: 'hanan@gmail.com'
  },
  {
    _id: ObjectId('65c2116d3fd95cab04ed770e'),
    username: 'lona',
    password: '123456',
    phoneNumber: '966555679932',
    email: 'lo@gmail.co'
  },
  {
    _id: ObjectId('65c212a53fd95cab04ed7711'),
    username: 'rana99',
    password: 'ran987',
    phoneNumber: '966533127874',
    email: 'ranaJ@gmail.com'
  },
  {
    _id: ObjectId('65c212423fd95cab04ed7710'),
    username: 'razan',
    password: 'r1a2z',
    phoneNumber: '966555349812',
    email: 'raz@gmail.com'
  },
  {
    _id: ObjectId('65c211e33fd95cab04ed770f'),
    username: 'reem',
    password: 'reem12',
```



```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
  {
    _id: ObjectId('65c211e33fd95cab04ed770f'),
    username: 'reem',
    password: 'reem12',
    phoneNumber: '966555037893',
    email: 'reem@hotmail.com'
  },
  {
    _id: ObjectId('65c213f93fd95cab04ed7713'),
    username: 'Rola3',
    password: 'roLa31',
    phoneNumber: '966555098562',
    email: 'rolaM@hotmail.com'
  },
  {
    _id: ObjectId('65c213843fd95cab04ed7712'),
    username: 'shahadZ',
    password: 'sh0000',
    phoneNumber: '966588931274',
    email: 'shahad@hotmail.com'
  },
  {
    _id: ObjectId('65c211063fd95cab04ed770d'),
    username: 'tima',
    password: '102935',
    phoneNumber: '966555837123',
    email: 'tima@gmail.com'
  }
]
projectDB2> _
```