

```
mongosh mongod> use myDatabase
Atlas atlas-4hukhq-shard-0 [primary] myDatabase> db.student.find()
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'mai',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rawan',
    age: 22,
    track: 'os'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myDatabase>
```

```
mongosh mongod> use sample_training
Atlas atlas-4hukhq-shard-0 [primary] sample_training> use sample_training
switched to db sample_training
Atlas atlas-4hukhq-shard-0 [primary] sample_training> db.grades.find()
[
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8ce"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 78.48456389584266 },
      { type: 'quiz', score: 73.36224783231339 },
      { type: 'homework', score: 46.988982486720535 },
      { type: 'homework', score: 76.67556138656222 }
    ],
    class_id: 339
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8cf"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 91.97520018439039 },
      { type: 'quiz', score: 95.88418375967175 },
      { type: 'homework', score: 89.62485475572984 },
      { type: 'homework', score: 51.621532832724846 }
    ],
    class_id: 350
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8d0"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 84.72636832669088 },
      { type: 'quiz', score: 7.8865616909793435 },
      { type: 'homework', score: 22.860114572528147 },
      { type: 'homework', score: 80.85669686147487 }
    ],
    class_id: 149
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8d1"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 6.267513889635468 },
      { type: 'quiz', score: 23.84662627791009 },
      { type: 'homework', score: 42.52700970652198 },
      { type: 'homework', score: 76.22758120978754 }
    ],
    class_id: 39
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8d2"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 78.48456389584266 },
      { type: 'quiz', score: 73.36224783231339 },
      { type: 'homework', score: 46.988982486720535 },
      { type: 'homework', score: 76.67556138656222 }
    ],
    class_id: 339
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8d3"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 91.97520018439039 },
      { type: 'quiz', score: 95.88418375967175 },
      { type: 'homework', score: 89.62485475572984 },
      { type: 'homework', score: 51.621532832724846 }
    ],
    class_id: 350
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8d4"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 84.72636832669088 },
      { type: 'quiz', score: 7.8865616909793435 },
      { type: 'homework', score: 22.860114572528147 },
      { type: 'homework', score: 80.85669686147487 }
    ],
    class_id: 149
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8d5"),
    student_id: 0,
    scores: [
      { type: 'exam', score: 6.267513889635468 },
      { type: 'quiz', score: 23.84662627791009 },
      { type: 'homework', score: 42.52700970652198 },
      { type: 'homework', score: 76.22758120978754 }
    ],
    class_id: 39
  }
]
```

```
mongosh mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:25})
[
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:$eq:25})
[
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:$ne:25})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wal',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'riwan',
    age: 22,
    track: 'os'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myFirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:{>=25}})
[
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'Abraham',
    age: 26,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:{>=25}})
[
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'Kamali',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'Abraham',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2be46dc87157c2e87f7"),
    name: 'Shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> _
```

```
mongosh mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myFirstDatabase
(c) Microsoft Corporation. All rights reserved.

C:\Users\DELL\Downloads\mongosh-1.7.1-win32-x64\mongosh-1.7.1-win32-x64\bin>mongosh "mongodb+srv://cluster0.236futu.mongodb.net/myFirstDatabase" --apiVersion 1 --username root
Enter password: ****
Current Mongosh Log ID: 63efb28571884dd65272c1e
Connecting to:  mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myFirstDatabase?appName=mongosh+1.7.1
Using MongoDB:  5.0.14 (API Version 1)
Using Mongosh:  1.7.1

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

Atlas atlas-4hukhq-shard-0 [primary] myFirstDatabase> show dbs
admin    376.00 KiB
local    6.97 GiB
Atlas atlas-4hukhq-shard-0 [primary] myFirstDatabase> use myowndb
switched to db myowndb
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236utu.mongodb.net/myFirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({track:{<ne:'iot'>}})
[
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rawan',
    age: 22,
    track: 'os'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({track:{<eq:'iot'>}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'mai',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236utu.mongodb.net/myFirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:{<lt:25>}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'mai',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rawan',
    age: 22,
    track: 'os'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({age:{<lte:25>}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'mai',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rawan',
    age: 22,
    track: 'os'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
```

```
mongosh mongodb+srv://<credentials>@cluster0.236utu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({$and:[{$gte:23}],(track:{seq:'iot'})})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'mai',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({$and:[{$lt:23}],(track:{seq:'iot'})})
[
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236utu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({track:{not:{seq:'iot'}}})
[
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rowan',
    age: 22,
    track: 'os'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({track:{not:{seq:'os'}}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'mai',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
Select mongosh mongodb+srv://<credentials>@cluster0.236utu.mongodb.net/myFirstDatabase
MongoServerError: Cannot do exclusion on field track in inclusion projection
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({}, { name: 1, track: 1 })
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wal',
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    track: 'iot'
  },
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rawan',
    track: 'os'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236utu.mongodb.net/myFirstDatabase
2
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({$and:[{$gte:23}],{track:{$eq:'iot'}}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wal',
    age: 23,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot'
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot'
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myFirstDatabase
track: 'os'
},
{
  _id: ObjectId("63efb2b346dc87157c2e87f2"),
  name: 'ali',
  age: 23,
  track: 'iot',
  interests: [ 'reading', 'programming' ]
}
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find(({$selectMatch:{$eq:'reading'}}))
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'ali',
    age: 23,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'brahim',
    age: 26,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2b346dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
Select mongosh mongodb+srv://<credentials>@cluster0.236futu.mongodb.net/myFirstDatabase
scores: [
  { type: 'exam', score: 1.728412932853074 },
  { type: 'quiz', score: 1.3302189163895362 },
  { type: 'homework', score: 21.819607558947716 },
  { type: 'homework', score: 2.885066735481989 }
],
class_id: 270
},
{
  _id: ObjectId("56d5f7eb604eb380bd8d8df"),
  student_id: 1,
  scores: [
    { type: 'exam', score: 58.199337728343316 },
    { type: 'quiz', score: 57.542142793425356 },
    { type: 'homework', score: 79.0654480255921 },
    { type: 'homework', score: 78.13072860450846 }
  ],
class_id: 465
},
Atlas atlas-4hukhq-shard-0 [primary] sample_training> db.grades.find((student_id:1))
[
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8e0"),
    _id: ObjectId("56d5f7eb604eb380bd8d8d8"),
    student_id: 1,
    scores: [
      { type: 'exam', score: 90.8264171922822 },
      { type: 'exam', score: 70.9376101309374 },
      { type: 'quiz', score: 57.25818073320056 },
      { type: 'homework', score: 61.7868937929801 },
      { type: 'homework', score: 32.985567417231934 }
    ],
    class_id: 302
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8e1"),
    _id: ObjectId("56d5f7eb604eb380bd8d8d9"),
    student_id: 1,
    scores: [
      { type: 'exam', score: 33.63395086942907 },
      { type: 'exam', score: 4.57300773049065 },
      { type: 'quiz', score: 48.864117547186915 },
      { type: 'homework', score: 77.35676271739777 },
      { type: 'homework', score: 83.38749057896025 }
    ],
    class_id: 460
  },
  {
    _id: ObjectId("56d5f7eb604eb380bd8d8da"),
    student_id: 1,
    scores: [
      { type: 'exam', score: 95.4702770345805 },
      { type: 'quiz', score: 50.14125426136129 },
      { type: 'homework', score: 34.32836889016887 },
      { type: 'homework', score: 84.07534235774499 }
    ],
    class_id: 329
  }
]
Atlas atlas-4hukhq-shard-0 [primary] sample_training>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236fuu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({interests:{$size:2}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wal',
    age: 23,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.count({interests:{$size:2}})
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
6
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```

```
mongosh mongodb+srv://<credentials>@cluster0.236fuu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.count({interests:{$size:2}})
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
6
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.count({interests:{$all:['reading','programming']}})
6
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({interests:{$all:['reading','programming']}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wal',
    age: 23,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>
```



```

mongosh mongodb+srv://<credentials>@cluster0236futu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.count({interests:{$size:2}})
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.count({interests:{$all:['reading','programming']}})
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({interests:{$all:['reading','programming']}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wali',
    age: 23,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>

```

```

mongosh mongodb+srv://<credentials>@cluster0236futu.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find({interests:{$elemMatch:{$regex:/r."/g$}}})
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'wali',
    age: 23,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  }
]
Atlas atlas-4hukhq-shard-0 [primary] myowndb>

```

```
mongosh mongodb://<credentials>@cluster0236tut.mongodb.net/myfirstDatabase
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.updateMany({$Atlas atlas-4hukhq-shard-0 [primary] myowndb}
MongoInvalidArgumentError: Update document requires atomic operators
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.updateMany({track:'iot'},{$set:{interests:['reading','programming']}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 5,
  modifiedCount: 5,
  upsertedCount: 0
}
Atlas atlas-4hukhq-shard-0 [primary] myowndb> db.student.find()
[
  {
    _id: ObjectId("63efb2b346dc87157c2e87f2"),
    name: 'Ali',
    age: 23,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2e346dc87157c2e87f3"),
    name: 'kamal',
    age: 25,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb2f346dc87157c2e87f4"),
    name: 'salma',
    age: 22,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb30346dc87157c2e87f5"),
    name: 'ibrahim',
    age: 26,
    track: 'iot',
    interests: [ 'reading', 'programming' ]
  },
  {
    _id: ObjectId("63efb36d46dc87157c2e87f6"),
    name: 'rawan',
    age: 22,
    track: 'os'
  },
  {
    _id: ObjectId("63efbde46dc87157c2e87f7"),
    name: 'shrouq',
    age: 25,
  }
]
```