1.PROJECT {name:1,homepage_url:1,email_address:1,phone_number:1}

sample_training.companies

DOCUMENTS 9.5k   TOTAL SIZE 34.8MB   AVG. SIZE 3.7KB   INDEXES 1   TOTAL SIZE 112.0KB

Documents   Aggregations   Schema   Explain Plan   Indexes   Validation

FILTER   OPTIONS   FIND   RESET

PROJECT {name:1,homepage_url:1,email_address:1,phone_number:1}

SORT   MAXTIMEMS 5000

COLLATION   SKIP 0   LIMIT 0

VIEW   Displaying documents 1 - 20 of 9500

```
_id: ObjectId("52cdef7c4bab8bd675297d8a")
name: "Wetpaint"
homepage_url: "http://wetpaint-inc.com"
email_address: "info@wetpaint.com"
phone_number: "206.859.6300"

_id: ObjectId("52cdef7c4bab8bd675297d8e")
name: "Facebook"
homepage_url: "http://facebook.com"
email_address: ""
phone_number: ""

_id: ObjectId("52cdef7c4bab8bd675297d8f")
name: "Omnidrive"
homepage_url: "http://www.omnidrive.com"
email_address: "info@omnidrive.com"
phone_number: "660-675-5052"
```

2. PROJECT {class_id:1}

Documents

sample_training.grades

DOCUMENTS 100.0k   TOTAL SIZE 22.2MB   AVG. SIZE 233B   INDEXES 1   TOTAL SIZE 904.0KB   AVG 904

Documents   Aggregations   Schema   Explain Plan   Indexes   Validation

FILTER {class_id:1}   OPTIONS   FIND   RESET

ADD DATA   VIEW   Displaying documents 1 - 20 of 211

```
_id: ObjectId("56d5f7eb604eb380b0d8db91")
student_id: 70
> scores: Array
class_id: 1

_id: ObjectId("56d5f7eb604eb380b0d8ded4")
student_id: 154
> scores: Array
class_id: 1

_id: ObjectId("56d5f7eb604eb380b0d8df44")
student_id: 165
> scores: Array
class_id: 1

_id: ObjectId("56d5f7eb604eb380b0d8df9b")
student_id: 174
> scores: Array
class_id: 1
```

3.FILTER{founded_month:10} PROJECT{name:1,founded_month:1}

4. FILTER {founded_year:2008} PROJECT {name:1, _id:0}
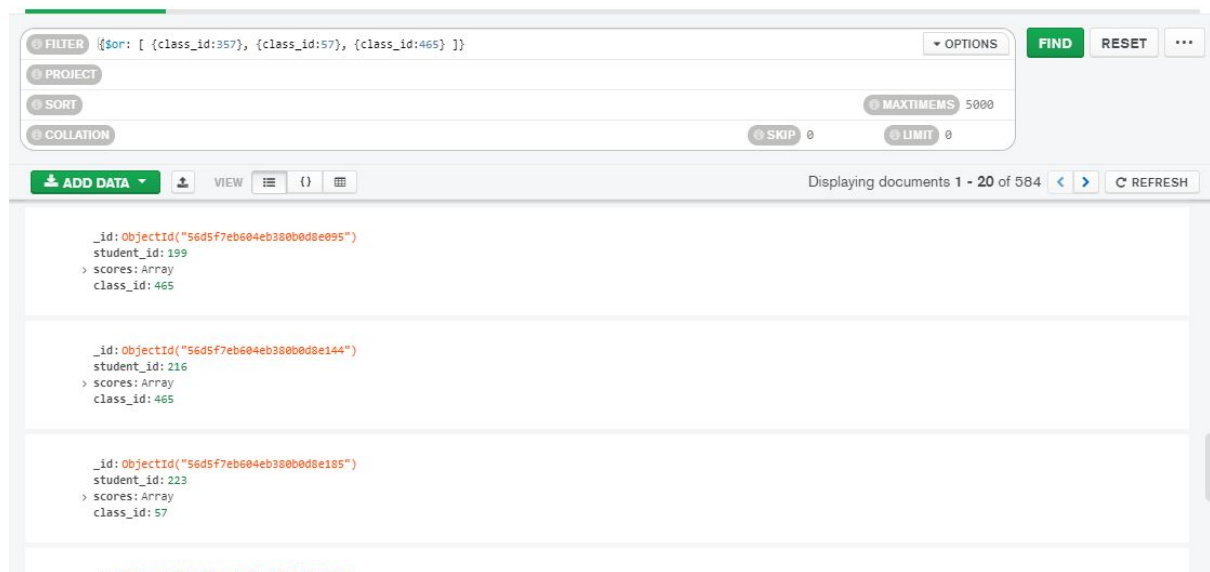

5. FILTER {author: "Machine"}
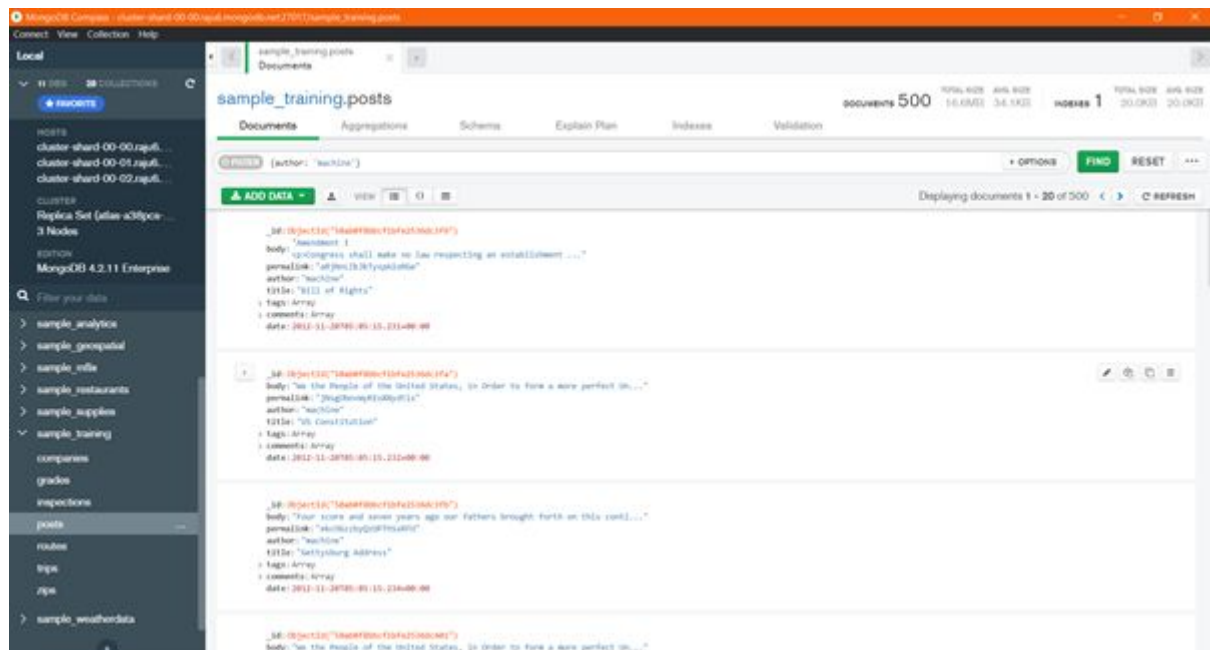
6. FILTER {$or: [{class_id:357}, {class_id:57}, {class_id:465}]}

7.- filter {$and: [{founded_year:2008},{founded_month:10}]}

sample_training.companies

DOCUMENTS 9.5k | TOTAL SIZE 34.8MB | AVG. SIZE 3.7KB | INDEXES 1 | TOTAL SIZE 100.0KB | AVG. SIZE 100.0KB

Documents | Aggregations | Schema | Explain Plan | Indexes | Validation

FILTER {$and: [{founded_year:2008},{founded_month:10}]} ▾ OPTIONS | FIND | RESET | ⋯
PROJECT
SORT   MAXTIMEMS 5000
COLLATION   SKIP 0   LIMIT 0

ADD DATA ▾ | ⬆ | VIEW ≣ {} ▦   Displaying documents 1 - 20 of 63 ‹ › ↻ REFRESH

```
_id: ObjectId("52cdef7c4bab8bd6752985ca")
name: "tunesBag"
permalink: "tunesbag"
crunchbase_url: "http://www.crunchbase.com/company/tunesbag"
homepage_url: "http://www.tunesBag.com"
blog_url: "http://tunesBag.blogspot.com/"
blog_feed_url: "http://blog.tunesbag.com/feeds/posts/default?alt=rss"
twitter_username: ""
category_code: "games_video"
number_of_employees: null
founded_year: 2008
founded_month: 10
founded_day: 1
deadpooled_year: null
deadpooled_month: null
deadpooled_day: null
deadpooled_url: null
tag_list: "music, cloud, locker, mp3, music-streaming, streaming"
alias_list: ""
email_address: "office@tunesBag.com"
phone_number: "+43 680 215 27 96"
description: "Social Music Player"
created_at: "Thu Mar 20 15:45:40 UTC 2008"
updated_at: "Thu Jan 19 00:37:48 UTC 2012"
overview: "<p>Austria based tunesBag is a music player with social features on th..."
```

⬇ SHOW 17 MORE FIELDS

8 fiter
{number_of_employees: {$gt: 50}}

sample_training.companies

DOCUMENTS 9.5k | TOTAL SIZE 34.8MB | AVG. SIZE 3.7KB | INDEXES 1 | TOTAL SIZE 112.0KB | AVG. SIZE 112.0KB

Documents | Aggregations | Schema | Explain Plan | Indexes | Validation

FILTER {number_of_employees: {$gt: 50}} ▾ OPTIONS | FIND | RESET | ⋯
PROJECT
SORT   MAXTIMEMS 5000
COLLATION   SKIP 0   LIMIT 0

ADD DATA ▾ | ⬆ | VIEW ≣ {} ▦   Displaying documents 1 - 20 of 793 ‹ › ↻ REFRESH

```
_id: ObjectId("52cdef7c4bab8bd675297d8e")
name: "Facebook"
permalink: "facebook"
crunchbase_url: "http://www.crunchbase.com/company/facebook"
homepage_url: "http://facebook.com"
blog_url: "http://blog.facebook.com"
blog_feed_url: "http://blog.facebook.com/atom.php"
twitter_username: "facebook"
category_code: "social"
number_of_employees: 5299
founded_year: 2004
founded_month: 2
founded_day: 1
deadpooled_year: null
deadpooled_month: null
deadpooled_day: null
deadpooled_url: ""
tag_list: "facebook, college, students, profiles, network, online-communities, so..."
alias_list: ""
email_address: ""
phone_number: ""
description: "Social network"
created_at: "Fri May 25 21:22:15 UTC 2007"
updated_at: "Thu Nov 21 19:40:55 UTC 2013"
overview: "<p>Facebook is the world&#8217;s largest social network, with over <a ..."
```

⬇ SHOW 17 MORE FIELDS

```
_id: ObjectId("52cdef7c4bab8bd675297d94")
name: "Twitter"
permalink: "twitter"
crunchbase_url: "http://www.crunchbase.com/company/twitter"
homepage_url: "http://twitter.com"
blog_url: "http://twitter.com/blog"
blog_feed_url: "http://feeds.feedburner.com/TwitterBlog"
twitter_username: "twitter"
```

9.- FILTER {$and: [{stops: {$gte: 1}},{stops: {$lte: 5}}]}

10.-
filter:{number_of_employees:{$ne:null}}
sort:{number_of_employees:1}
limit:1

11.-
PROJECT({name: 1, number_of_employees: 1})
SORT({number_of_employees: -1})
LIMIT(1)

Documents   Aggregations   Schema   Explain Plan   Indexes   Validation

FILTER
PROJECT   {name: 1, number_of_employees: 1}
SORT   {number_of_employees: -1}   MAXTIMEMS 5000
COLLATION   SKIP 0   LIMIT 1

OPTIONS   FIND

VIEW [≡] [{}] [⊞]   Displaying documents 1 - 1 of 1

```
_id: ObjectId("52cdef7c4bab8bd67529856a")
name: "IBM"
number_of_employees: 388000
```

12.-
sort:{tripduration:-1}
limit:1

FILTER   OPTIONS   FIND   RESET
PROJECT
SORT   {tripduration: -1}   MAXTIMEMS 5000
COLLATION   SKIP 0   LIMIT 1

ADD DATA   VIEW [≡] [{}] [⊞]   Displaying documents 1 - 1 of 1   < >   C REF

```
_id: ObjectId("572bb8222b288919b68ac07c")
tripduration: 326222
start station id: 391
start station name: "Clark St & Henry St"
end station id: 310
end station name: "State St & Smith St"
bikeid: 18591
usertype: "Subscriber"
birth year: 1979
gender: 1
> start station location: Object
> end station location: Object
start time: 2016-01-01T00:58:20.000+00:00
stop time: 2016-01-04T19:35:23.000+00:00
```

13.-
sort:{tripduration:1}
limit:1

FILTER | ▾ OPTIONS | **FIND** | **RESET** | ···

PROJECT

SORT `{tripduration:1}` | MAXTIMEMS 5000

COLLATION | SKIP 0 | LIMIT 1

▲ ADD DATA ▾ | ▲ | VIEW ☰ {} ⊞ | Displaying documents 1 - 1 of 1 ‹ › | ⟳ REFRESH

```
_id: ObjectId("572bb8222b288919b68ac2d4")
tripduration: 61
start station id: 3150
start station name: "E 85 St & York Ave"
end station id: 3150
end station name: "E 85 St & York Ave"
bikeid: 22299
usertype: "Subscriber"
birth year: 1989
gender: 1
> start station location: Object
> end station location: Object
start time: 2016-01-01T02:43:19.000+00:00
stop time: 2016-01-01T02:44:21.000+00:00
```