

1. Find all the companies that include 'Facebook' on the name field.

```
companiesDB > db.companies.find({name:'Facebook'})
```

2. Find all the companies which category\_code is 'web'. Retrieve only their name field:

```
> db.companies.find({category_code:'web'}, {name:1, _id:0})
```

3. Find all the companies named "Twitter", and retrieve only their name, category\_code and founded\_year fields.

```
> db.companies.find({name:'Twitter'}, {name:1, category_code:1, founded_year:1, _id:0})
```

4. Find all the companies who have web as their category\_code, but limit the search to 50 companies.

```
> db.companies.find({category_code:'web'}).limit(50)
```

5. Find all the companies which category\_code is 'enterprise' and have been founded in 2005. Retrieve only the name, category\_code and founded\_year fields.

```
> db.companies.find({$and:[{category_code:'enterprise'}, {founded_year:2005}], {name:1, category_code:1, founded_year:1, _id:0})
```

6. Find all the companies that have been founded on the 2000 or have 20 employees. Sort them descendingly by their number\_of\_employees.

```
> db.companies.find({$or:[{founded_year:2000}, {number_of_employees:20}]}).sort({number_of_employees:-1})
```

7. Find all the companies that do not include web nor social on their category\_code. Limit the search to 20 documents and retrieve only their name and category\_code.

```
> db.companies.find({category_code:{not:{in:['web', 'social']}}}, {name:1, category_code:1, _id:0}).limit(20)
```

8. Find all the companies that were not founded on 'June'. Skip the first 50 results and retrieve only the founded\_month and name fields.

```
> db.companies.find({founded_month:{ne:6}}, {founded_month:1, name:1, _id:0}).skip(50)
```

9. Find all the companies that have 50 employees, but do not correspond to the 'web' category\_code.

```
> db.companies.find({$and:[{number_of_employees:50},{category_code:{ne:'web'}}]})
```

10. Find all the companies that have been founded on the 1st of the month, but does not have either 50 employees nor 'web' as their category\_code. Retrieve only the founded\_day and name and limit the search to 5 documents.

```
> db.companies.find({$and:[{$nor:[{number_of_employees:50}, {category_code:'web'}]},{founded_day:1}], {name:1, founded_day:1, _id:0}).limit(5)
```

11. Find all the companies which the price\_amount of the acquisition was 40.000.000. Sort them by name.

```
> db.companies.find({"acquisition.price_amount":40000000}, {name:1, _id:0}).sort({name:1})
```

12. Find all the companies that have been acquired on January of 2014. Retrieve only the acquisition and name fields.

```
> db.companies.find({$and:[{"acquisition.acquired_day":14}, {"acquisition.acquired_year":2014}], {name:1, acquisition:1, _id:0})
```