**Aiswarya’s Queries**

1. Checking the field names in companies column/field names

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> Object.keys(db.companies.findOne())

[

'\_id',

'company\_id',

'name',

'description',

'company\_size',

'url',

'address\_details',

'industries',

'employee\_counts'

]

**Explanation:**

Displaying the field names present in companies collection.

1. Checking the field names in job\_postings column/field names

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> Object.keys(db.job\_postings.findOne())

[

'\_id', 'job\_id',

'company\_id', 'title',

'description', 'work\_type',

'location', 'remote\_allowed',

'sponsored', 'formatted\_work\_type',

'views', 'original\_listed\_time',

'listed\_time', 'expiry',

'job\_posting\_url', 'application\_type',

'industry\_ids', 'skills',

'benefits'

]

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2>

**Explanation:**

Displaying the field names present in the job\_postings collection.

1. Checking the maximum employee\_counts amongst all other companies.

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> db.companies.aggregate([

... {

... $unwind: "$employee\_counts"

... },

... {

... $sort: {

... "employee\_counts.employee\_count": -1

... }

... },

... {

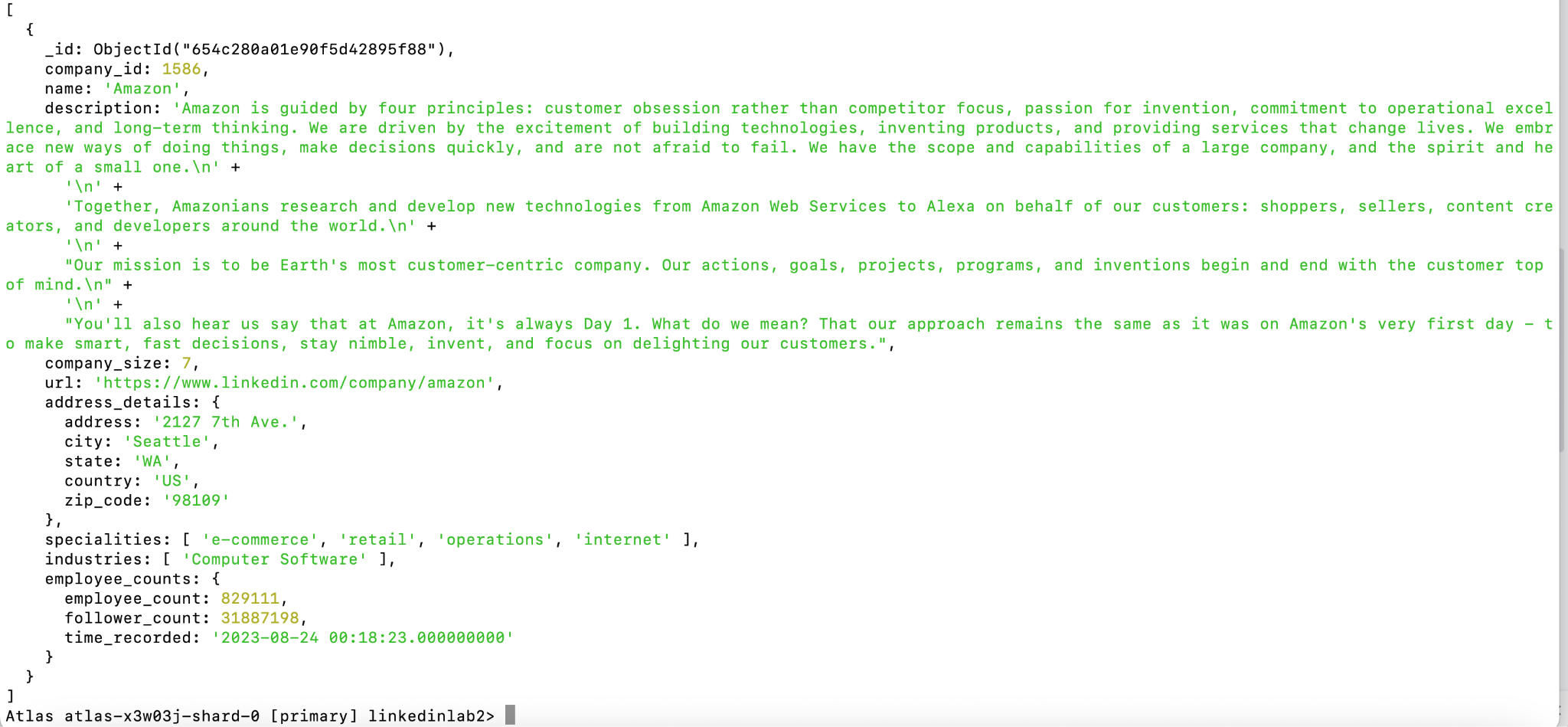
... $limit: 1

... }

... ]);

**Explanation:**

Displaying the complete document information of the companies collection who has the maximum employee\_count. Here the company ‘Amazon’ has the maximum employee\_count: 829111.



1. Finding the top 3 companies possessing maximum employee\_counts.

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> db.companies.aggregate([

... {

... $unwind: "$employee\_counts"

... },

... {

... $sort: {

... "employee\_counts.employee\_count": -1

... }

... },

... {

... $group: {

... \_id: "$name",

... maxEmployeeCount: { $max: "$employee\_counts.employee\_count" }

... }

... },

... {

... $sort: {

... maxEmployeeCount: -1

... }

... },

... {

... $limit: 3

... },

... {

... $project: {

... \_id: 0,

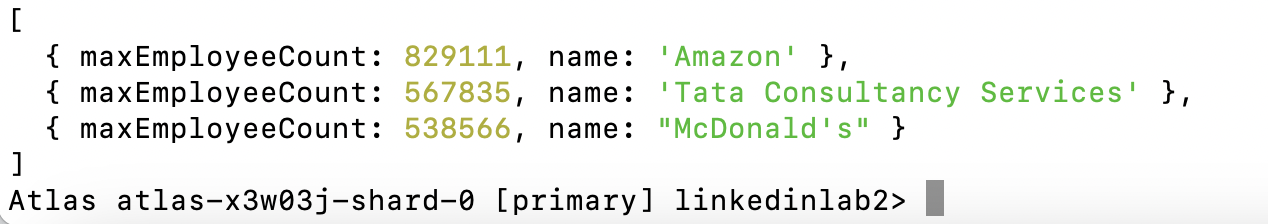
... name: "$\_id",

... maxEmployeeCount: 1

... }

... }

... ]);



**Explanation:**

Displaying the company name and the employee\_count of the top 3 companies having the maximum employee\_count.

1. Finding the speciality having the maximum count.

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> db.companies.aggregate([

... {

... $unwind: "$specialities"

... },

... {

... $group: {

... \_id: "$specialities",

... count: { $sum: 1 }

... }

... },

... {

... $sort: {

... count: -1

... }

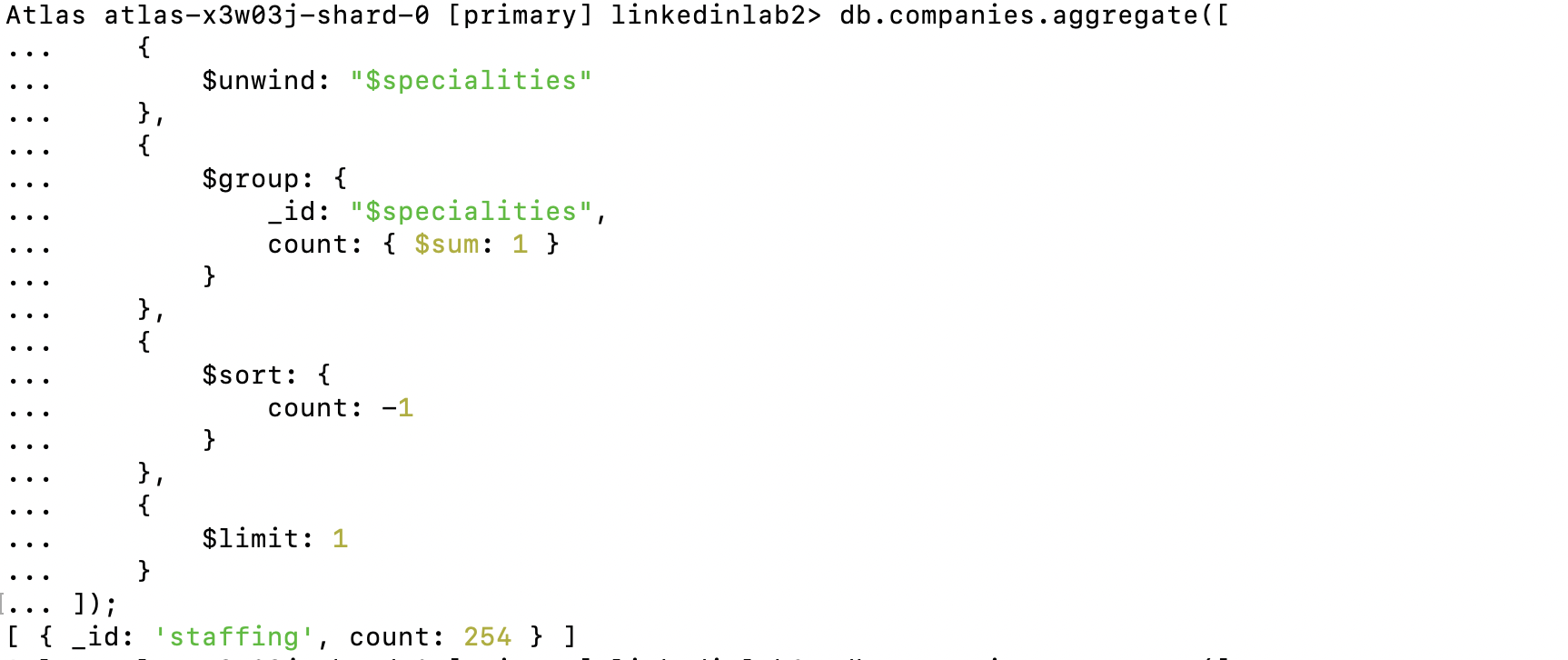
... },

... {

... $limit: 1

... }

... ]);



**Explanation:**

Displaying the speciality which is repeated the maximum. Here staffing speciality with a count of 254 is displayed.

1. Finding the top 20 specialities and sorted based on the maximum count of specialities.

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> db.companies.aggregate([

... {

... $unwind: "$specialities"

... },

... {

... $group: {

... \_id: "$specialities",

... count: { $sum: 1 }

... }

... },

... {

... $sort: {

... count: -1

... }

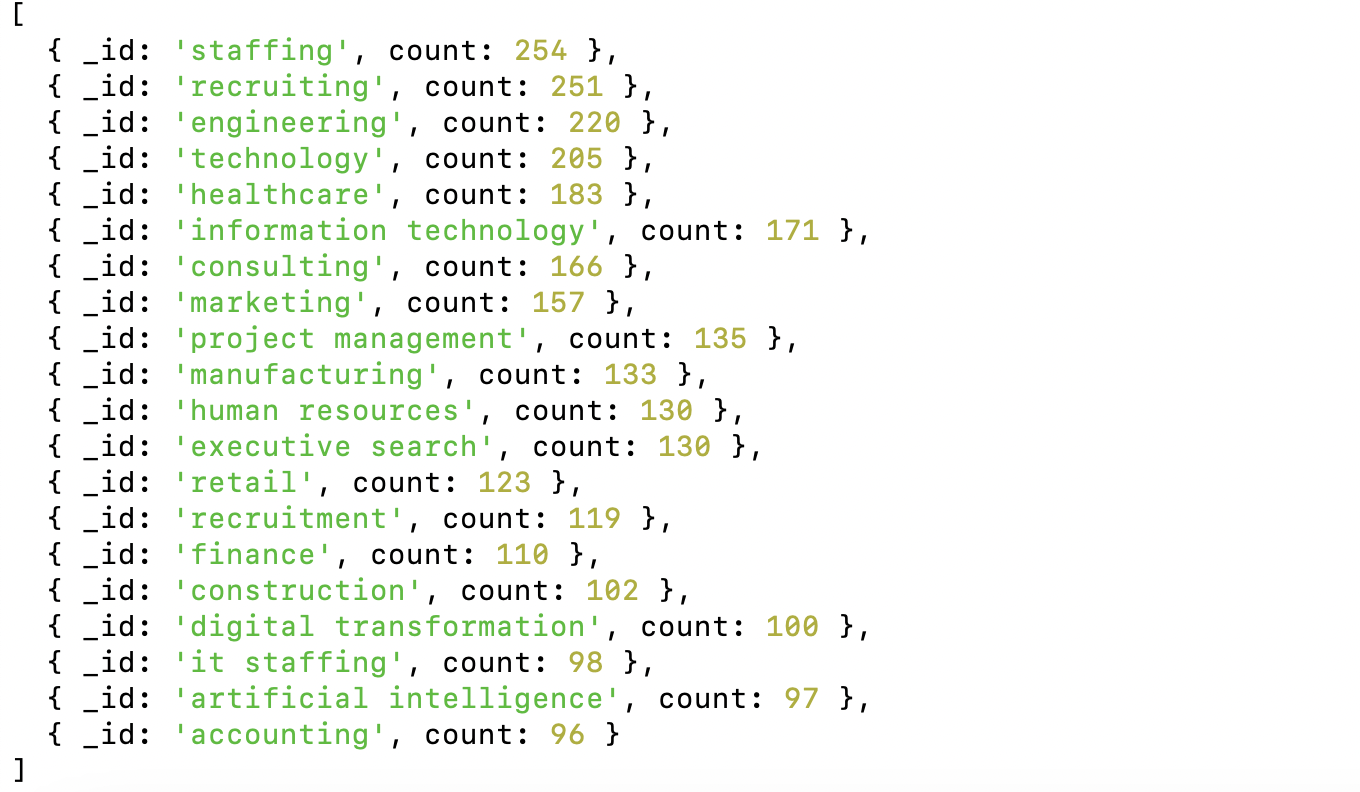
... },

... {

... $limit: 20

... }

... ]);

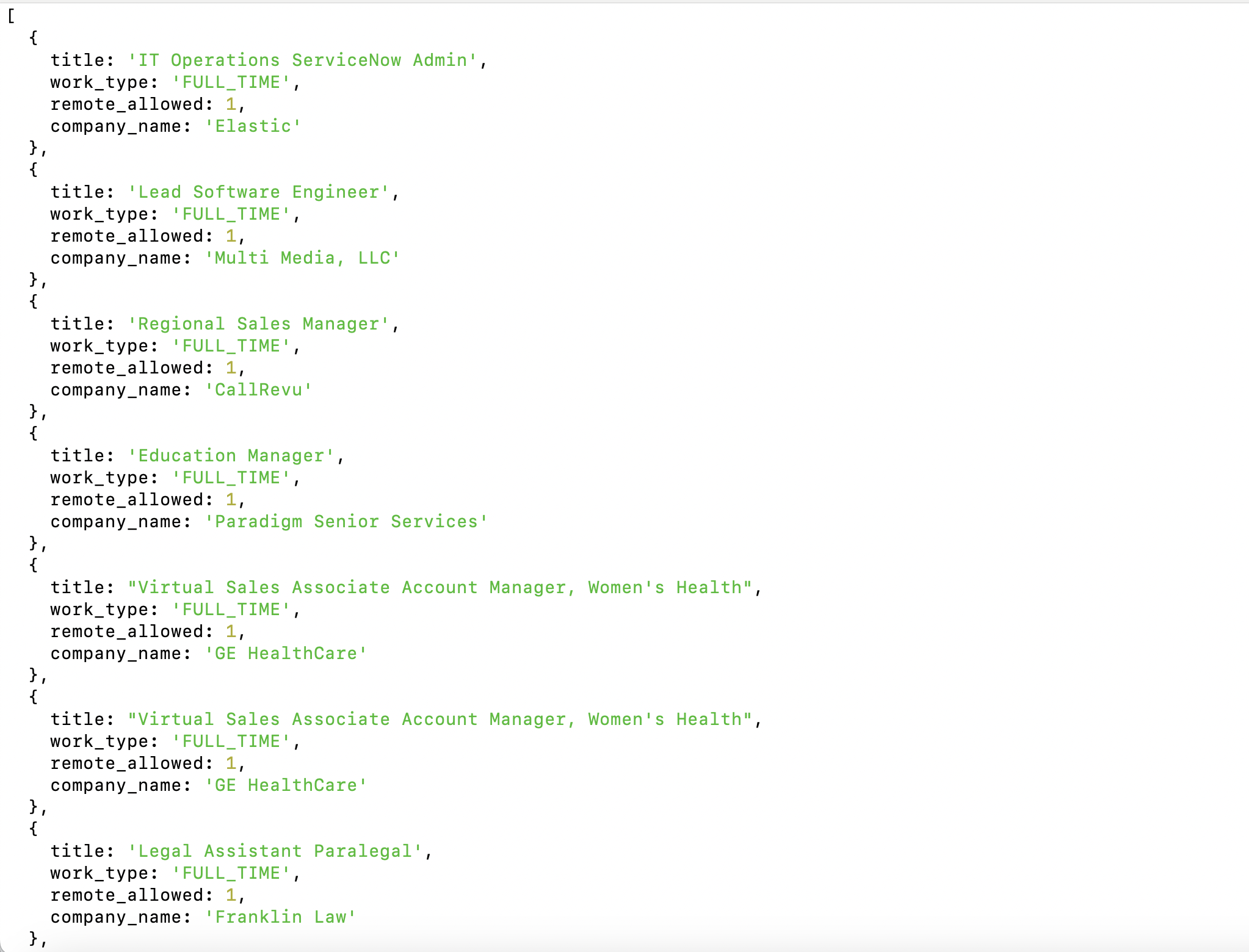


**Explanation:**

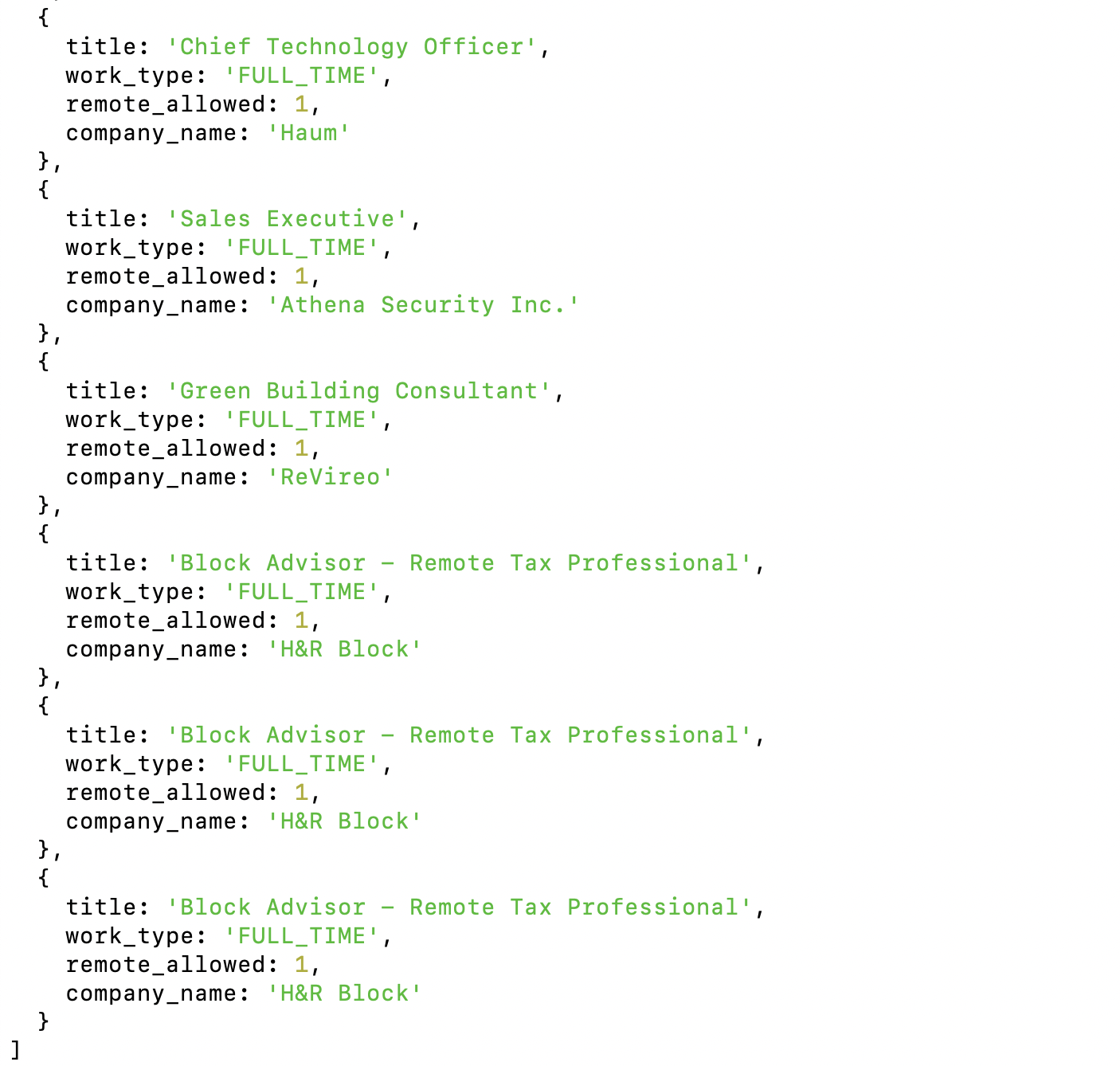
Displaying the top 20 specialities which have maximum count sorted based on the maximum value count.

1. Finding the companies that are offering FULL\_TIME positions as remote opportunities along with the company\_name, title.

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> c







**Explanation:**

Displaying the company name along with the job posting title , work type as FULL\_TIME and having remote opportunities by joining 2 collections.

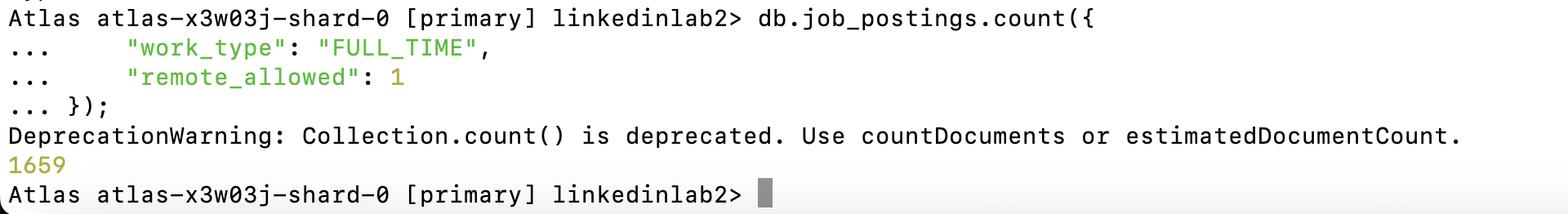
1. Finding the total number of documents which has the combination of FULL\_TIME as work type and remote positions allowed.

Atlas atlas-x3w03j-shard-0 [primary] linkedinlab2> db.job\_postings.count({

... "work\_type": "FULL\_TIME",

... "remote\_allowed": 1

... });



**Explanation:**

Displaying the count of the documents that are offering both FULL\_TIME worktype and remote opportunities.