```
> db.zipcodes.find({"city":"ATLANTA","state":"GA"})
{ "_id" : "30303", "city" : "ATLANTA", "loc" : [ -84.388846, 33.752504 ], "pop" : 1845, "state" : "GA" }
{ "_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }
{ "_id" : "30306", "city" : "ATLANTA", "loc" : [ -84.351418, 33.786027 ], "pop" : 20081, "state" : "GA" }
{ "_id" : "30307", "city" : "ATLANTA", "loc" : [ -84.335957, 33.769138 ], "pop" : 16330, "state" : "GA" }
{ "_id" : "30308", "city" : "ATLANTA", "loc" : [ -84.375744, 33.771839 ], "pop" : 8549, "state" : "GA" }
{ "_id" : "30309", "city" : "ATLANTA", "loc" : [ -84.388338, 33.798407 ], "pop" : 14766, "state" : "GA" }
{ "_id" : "30310", "city" : "ATLANTA", "loc" : [ -84.423173, 33.727849 ], "pop" : 34017, "state" : "GA" }
{ "_id" : "30311", "city" : "ATLANTA", "loc" : [ -84.470219, 33.722957 ], "pop" : 34880, "state" : "GA" }
{ "_id" : "30312", "city" : "ATLANTA", "loc" : [ -84.378125, 33.746749 ], "pop" : 17683, "state" : "GA" }
{ "_id" : "30313", "city" : "ATLANTA", "loc" : [ -84.39352, 33.76825 ], "pop" : 8038, "state" : "GA" }
{ "_id" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }
{ "_id" : "30315", "city" : "ATLANTA", "loc" : [ -84.380771, 33.705062 ], "pop" : 41061, "state" : "GA" }
{ "_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "state" : "GA" }
{ "_id" : "30317", "city" : "ATLANTA", "loc" : [ -84.31685, 33.749788 ], "pop" : 16395, "state" : "GA" }
{ "_id" : "30318", "city" : "ATLANTA", "loc" : [ -84.445432, 33.786454 ], "pop" : 53894, "state" : "GA" }
{ "_id" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }
{ "_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }
{ "_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }
{ "_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }
{ "_id" : "30329", "city" : "ATLANTA", "loc" : [ -84.321402, 33.823555 ], "pop" : 17013, "state" : "GA" }
Type "it" for more
>
```

```
> db.zipcodes.aggregate({$match:{"city":"ATLANTA","state":"GA"}})
{ "_id" : "30303", "city" : "ATLANTA", "loc" : [ -84.388846, 33.752504 ], "pop" : 1845, "state" : "GA" }
{ "_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }
{ "_id" : "30306", "city" : "ATLANTA", "loc" : [ -84.351418, 33.786027 ], "pop" : 20081, "state" : "GA" }
{ "_id" : "30307", "city" : "ATLANTA", "loc" : [ -84.335957, 33.769138 ], "pop" : 16330, "state" : "GA" }
{ "_id" : "30308", "city" : "ATLANTA", "loc" : [ -84.375744, 33.771839 ], "pop" : 8549, "state" : "GA" }
{ "_id" : "30309", "city" : "ATLANTA", "loc" : [ -84.388338, 33.798407 ], "pop" : 14766, "state" : "GA" }
{ "_id" : "30310", "city" : "ATLANTA", "loc" : [ -84.423173, 33.727849 ], "pop" : 34017, "state" : "GA" }
{ "_id" : "30311", "city" : "ATLANTA", "loc" : [ -84.470219, 33.722957 ], "pop" : 34880, "state" : "GA" }
{ "_id" : "30312", "city" : "ATLANTA", "loc" : [ -84.378125, 33.746749 ], "pop" : 17683, "state" : "GA" }
{ "_id" : "30313", "city" : "ATLANTA", "loc" : [ -84.39352, 33.76825 ], "pop" : 8038, "state" : "GA" }
{ "_id" : "30314", "city" : "ATLANTA", "loc" : [ -84.425546, 33.756103 ], "pop" : 26649, "state" : "GA" }
{ "_id" : "30315", "city" : "ATLANTA", "loc" : [ -84.380771, 33.705062 ], "pop" : 41061, "state" : "GA" }
{ "_id" : "30316", "city" : "ATLANTA", "loc" : [ -84.333913, 33.721686 ], "pop" : 34668, "state" : "GA" }
{ "_id" : "30317", "city" : "ATLANTA", "loc" : [ -84.31685, 33.749788 ], "pop" : 16395, "state" : "GA" }
{ "_id" : "30318", "city" : "ATLANTA", "loc" : [ -84.445432, 33.786454 ], "pop" : 53894, "state" : "GA" }
{ "_id" : "30319", "city" : "ATLANTA", "loc" : [ -84.335091, 33.868728 ], "pop" : 32138, "state" : "GA" }
{ "_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }
{ "_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }
{ "_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }
{ "_id" : "30329", "city" : "ATLANTA", "loc" : [ -84.321402, 33.823555 ], "pop" : 17013, "state" : "GA" }
Type "it" for more
>
```

```
> db.zipcodes.aggregate({$match:{"city":"ATLANTA"}},{$group:{"_id":"$city","zipcodes":{$sum:1}}})
{ "_id" : "ATLANTA", "zipcodes" : 41 }
>
```

```
> db.zipcodes.aggregate([{$group:{"_id":"$ATLANTA",count:{$sum:"$pop"}}}])
{ "_id" : null, "count" : 248408400 }
>
>
>
```

```
C:\Users\pg315>cd "C:\Program Files\MongoDB\Server\5.0\bin"

C:\Program Files\MongoDB\Server\5.0\bin>mongod
{"t":{"$date":"2021-10-24T18:51:04.595+05:30"},"s":"I",  "c":"CONTROL",  "id":23285,    "ctx":"-","msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 specify
 --sslDisabledProtocols 'none'"}
{"t":{"$date":"2021-10-24T18:51:06.151+05:30"},"s":"I",  "c":"NETWORK",  "id":4915701, "ctx":"main","msg":"Initialized wire specification","attr":{"spec":{"incomingExte
rnalClient":{"minWireVersion":0,"maxWireVersion":13},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":13},"outgoing":{"minWireVersion":0,"maxWireVersion":1
3},"isInternalClient":true}}}
{"t":{"$date":"2021-10-24T18:51:06.152+05:30"},"s":"W",  "c":"ASIO",     "id":22601,    "ctx":"main","msg":"No TransportLayer configured during NetworkInterface startup"
}
{"t":{"$date":"2021-10-24T18:51:06.154+05:30"},"s":"I",  "c":"NETWORK",  "id":4648602, "ctx":"main","msg":"Implicit TCP FastOpen in use."}
{"t":{"$date":"2021-10-24T18:51:06.160+05:30"},"s":"W",  "c":"ASIO",     "id":22601,    "ctx":"main","msg":"No TransportLayer configured during NetworkInterface startup"
}
{"t":{"$date":"2021-10-24T18:51:06.160+05:30"},"s":"I",  "c":"REPL",     "id":5123008, "ctx":"main","msg":"Successfully registered PrimaryOnlyService","attr":{"service"
:"TenantMigrationDonorService","ns":"config.tenantMigrationDonors"}}
{"t":{"$date":"2021-10-24T18:51:06.160+05:30"},"s":"I",  "c":"REPL",     "id":5123008, "ctx":"main","msg":"Successfully registered PrimaryOnlyService","attr":{"service"
:"TenantMigrationRecipientService","ns":"config.tenantMigrationRecipients"}}
{"t":{"$date":"2021-10-24T18:51:06.163+05:30"},"s":"I",  "c":"CONTROL",  "id":4615611, "ctx":"initandlisten","msg":"MongoDB starting","attr":{"pid":2436,"port":27017,"d
bPath":"C:/data/db/","architecture":"64-bit","host":"DESKTOP-HDD8B84"}}
{"t":{"$date":"2021-10-24T18:51:06.163+05:30"},"s":"I",  "c":"CONTROL",  "id":23398,    "ctx":"initandlisten","msg":"Target operating system minimum version","attr":{"ta
rgetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2021-10-24T18:51:06.163+05:30"},"s":"I",  "c":"CONTROL",  "id":23403,    "ctx":"initandlisten","msg":"Build Info","attr":{"buildInfo":{"version":"5.0.2","
gitVersion":"6d9ec525e78465dcecadcff99cce953d380fedc8","modules":[],"allocator":"tcmalloc","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"
}}}}
{"t":{"$date":"2021-10-24T18:51:06.164+05:30"},"s":"I",  "c":"CONTROL",  "id":51765,    "ctx":"initandlisten","msg":"Operating System","attr":{"os":{"name":"Microsoft Wi
ndows 10","version":"10.0 (build 19042)"}}}
{"t":{"$date":"2021-10-24T18:51:06.165+05:30"},"s":"I",  "c":"CONTROL",  "id":21951,    "ctx":"initandlisten","msg":"Options set by command line","attr":{"options":{}}}
{"t":{"$date":"2021-10-24T18:51:06.177+05:30"},"s":"E",  "c":"CONTROL",  "id":20557,    "ctx":"initandlisten","msg":"DBException in initAndListen, terminating","attr":{"
error":"NonExistentPath: Data directory C:\\data\\db\\ not found. Create the missing directory or specify another path using (1) the --dbpath command line option, or (2
) by adding the 'storage.dbPath' option in the configuration file."}}
{"t":{"$date":"2021-10-24T18:51:06.177+05:30"},"s":"I",  "c":"REPL",     "id":4784900, "ctx":"initandlisten","msg":"Stepping down the ReplicationCoordinator for shutdow
n","attr":{"waitTimeMillis":15000}}
{"t":{"$date":"2021-10-24T18:51:06.179+05:30"},"s":"I",  "c":"COMMAND",  "id":4784901, "ctx":"initandlisten","msg":"Shutting down the MirrorMaestro"}
{"t":{"$date":"2021-10-24T18:51:06.180+05:30"},"s":"I",  "c":"SHARDING", "id":4784902, "ctx":"initandlisten","msg":"Shutting down the WaitForMajorityService"}
{"t":{"$date":"2021-10-24T18:51:06.182+05:30"},"s":"I",  "c":"NETWORK",  "id":20562,    "ctx":"initandlisten","msg":"Shutdown: going to close listening sockets"}
{"t":{"$date":"2021-10-24T18:51:06.183+05:30"},"s":"I",  "c":"NETWORK",  "id":4784905, "ctx":"initandlisten","msg":"Shutting down the global connection pool"}
{"t":{"$date":"2021-10-24T18:51:06.185+05:30"},"s":"I",  "c":"CONTROL",  "id":4784906, "ctx":"initandlisten","msg":"Shutting down the FlowControlTicketholder"}
{"t":{"$date":"2021-10-24T18:51:06.190+05:30"},"s":"I",  "c":"-",        "id":20520,    "ctx":"initandlisten","msg":"Stopping further Flow Control ticket acquisitions."}

{"t":{"$date":"2021-10-24T18:51:06.192+05:30"},"s":"I",  "c":"NETWORK",  "id":4784918, "ctx":"initandlisten","msg":"Shutting down the ReplicaSetMonitor"}
{"t":{"$date":"2021-10-24T18:51:06.193+05:30"},"s":"I",  "c":"SHARDING", "id":4784921, "ctx":"initandlisten","msg":"Shutting down the MigrationUtilExecutor"}
```

```
C:\Program Files\MongoDB\Server\5.0\bin>mongo
MongoDB shell version v5.0.2
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("820729c9-53ae-4040-9d5c-6db82d8f20c0") }
MongoDB server version: 5.0.2
================
Warning: the "mongo" shell has been superseded by "mongosh",
which delivers improved usability and compatibility.The "mongo" shell has been deprecated and will be removed in
an upcoming release.
We recommend you begin using "mongosh".
For installation instructions, see
https://docs.mongodb.com/mongodb-shell/install/
================
---
The server generated these startup warnings when booting:
        2021-10-24T14:31:07.062+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
---
---

        Enable MongoDB's free cloud-based monitoring service, which will then receive and display
        metrics about your deployment (disk utilization, CPU, operation statistics, etc).

        The monitoring data will be available on a MongoDB website with a unique URL accessible to you
        and anyone you share the URL with. MongoDB may use this information to make product
        improvements and to suggest MongoDB products and deployment options to you.

        To enable free monitoring, run the following command: db.enableFreeMonitoring()
        To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
>
```