

Geospatial query:

Need to upload a new collection called "location" in json format Follow the same steps to switch this collection to database.

Use db

Show dbs

Show collections

```
Current Mongosh Log ID: 66640228cfc60363b8cdcdf5
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.6
Using MongoDB:      7.0.11
Using Mongosh:      2.2.6
```

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

```
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The server generated these startup warnings when booting
2024-06-08T11:39:34.025+05:30: Access control is not enabled for the da
tabase. Read and write access to data and configuration is unrestricted
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```

```
test> use db
switched to db db
db> show dbs
admin      40.00 KiB
config    108.00 KiB
db         192.00 KiB
local      72.00 KiB
db> show collections
locations
students
students_permission
Please enter a MongoDB connection string (Default: mongodb://localhost/):
db> |
```

For find a location :

```
db> db.locations.find({
... location:{
... $geoWithin:{
... $centerSphere:[[-74.005,40.712],0.00621376]}]});
[
  {
    _id: 1,
    name: 'Coffee Shop A',
    location: { type: 'Point', coordinates: [ -73.985, 40.748 ] }
  },
  {
    _id: 2,
    name: 'Restaurant B',
    location: { type: 'Point', coordinates: [ -74.009, 40.712 ] }
  },
  {
    _id: 5,
    name: 'Park E',
    location: { type: 'Point', coordinates: [ -74.006, 40.705 ] }
  }
]
db>
```