

python file

```
from pymongo import MongoClient

client = MongoClient("mongodb://127.0.0.1:27017")

database = client.test2

collection = database.info

collection.insert_one({"name": "Abc", "city": "Pune", "age": 20})

collection.insert_many([{"name": "Pqr", "city": "Delhi", "age": 26}, {"name": "Xyz", "city": "Mumbai", "age": 19}, {"name": "Efg", "city": "Chennai", "age": 30}, {"name": "Lmn", "city": "Shimla", "age": 32}])

for document in collection.find(): print(document)

collection.update_one({"name": "Pqr"}, {"$set": {"city": "Ranchi"}})

collection.find()

collection.deleteOne({"age": 19})

collection.find()

print("inserted")

client.close()
```

mongodb

```
admin1@admin1-HP-Pro-SFF-280-G9-Desktop-PC:~$ mongosh

Current Mongosh Log ID: 68e8a5ff627ad25429ce5f46

Connecting to:
    mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2
.5.8

Using MongoDB: 6.0.26

Using Mongosh: 2.5.8

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/
```

```
test> use test2
switched to db test2
test2> db.createCollection("info")
{ ok: 1 }
test2> exit
admin1@admin1-HP-Pro-SFF-280-G9-Desktop-PC:~$ sudo python3 -m pip install pymongo
[sudo] password for admin1:
```

```
Requirement already satisfied: pymongo in /usr/local/lib/python3.10/dist-packages (4.15.3)
```

```
Requirement already satisfied: dnspython<3.0.0,>=1.16.0 in /usr/local/lib/python3.10/dist-packages (from pymongo) (2.8.0)
```

WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: <https://pip.pypa.io/warnings/venv>

```
admin1@admin1-HP-Pro-SFF-280-G9-Desktop-PC:~$ python3
```

```
Python 3.10.12 (main, Aug 15 2025, 14:32:43) [GCC 11.4.0] on linux
```

```
Type "help", "copyright", "credits" or "license" for more information.
```

```
>>> from pymongo import MongoClient
```

```
>>> client = MongoClient("mongodb://127.0.0.1:27017")
```

```
>>> database = client.test2
```

```
>>> collection = database.info
```

```
>>> collection.insert_one({"name": "Abc", "city": "Pune", "age": 20})
```

```
InsertOneResult(ObjectId('68e8a65da6b3d86f02df537e'), acknowledged=True)
```

```
>>> collection.insert_many([{"name": "Pqr", "city": "Delhi", "age": 26}, {"name": "Xyz", "city": "Mumbai", "age": 19}, {"name": "Efg", "city": "Chennai", "age": 30}, {"name": "Lmn", "city": "Shimla", "age": 32}])
```

```
InsertManyResult([ObjectId('68e8a667a6b3d86f02df537f'), ObjectId('68e8a667a6b3d86f02df5380'), ObjectId('68e8a667a6b3d86f02df5381'), ObjectId('68e8a667a6b3d86f02df5382')], acknowledged=True)
```

```
>>> collection.find()
```

```
<pymongo.synchronous.cursor.Cursor object at 0x7bbac62c5420>
```

```
>>> for document in collection.find():
```

```
...     print(document)
```

```
admin1@admin1-HP-Pro-SFF-280-G9-Desktop-PC:~$ mongosh
```

```
Current Mongosh Log ID: 68e8a6bf59e96c0fe7ce5f46
```

```
Connecting to:
```

```
mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.8
```

```
Using MongoDB: 6.0.26
```

```
Using Mongosh: 2.5.8
```

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

The server generated these startup warnings when booting

2025-10-10T10:06:44.590+05:30: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See <http://dochub.mongodb.org/core/prodnotes-filesystem>

2025-10-10T10:06:44.888+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

2025-10-10T10:06:44.888+05:30: vm.max_map_count is too low

```
test> use test2
```

```
switched to db test2
```

```
test2> db.info.find()
```

```
[
```

```
{
```

```
  _id: ObjectId('68e8a65da6b3d86f02df537e'),
```

```
  name: 'Abc',
```

```
  city: 'Pune',
```

```
  age: 20
```

```
},
```

```
{
```

```
  _id: ObjectId('68e8a667a6b3d86f02df537f'),
```

```
  name: 'Pqr',
```

```
  city: 'Delhi',
```

```
  age: 26
```

```
},
```

```
{
```

```
  _id: ObjectId('68e8a667a6b3d86f02df5380'),
```

```
  name: 'Xyz',
```

```
  city: 'Mumbai',
```

```
  age: 19
```

```
},
```

```
{
```

```
  _id: ObjectId('68e8a667a6b3d86f02df5381'),
```

```
  name: 'Efg',
```

```
    city: 'Chennai',
    age: 30
  },
  {
    _id: ObjectId('68e8a667a6b3d86f02df5382'),
    name: 'Lmn',
    city: 'Shimla',
    age: 32
  }
]
```