In [1]:

In [5]:

```
#connect to a client
client = pymongo.MongoClient("mongodb+srv://Euphor:mongodb@cluster01.s2a7sxh.mongodb.net/
db = client.test
#now it will be showing 1 connection in mongodb atlas
#we can create as many clusters
```

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MONGO DB

It is a document based database i.e we are able to store data in a dictionary format or JSON(Java Script Object Notation) format.

In SQL a table is created, But in MONGODB a collection is created inside which documents are stores(note: documents are not structured i.e it can store any king do data)

Creating DATABASE

```
In [15]:
```

```
#creating db
db = client['First_db']
```

```
In [16]:
```

```
#creating collection inside dbcrea
collection =db["First_coll"]
```

```
In [17]:
```

In [18]:

```
#inssertin above data into the collection
collection.insert_one(data)
```

Out[18]:

<pymongo.results.InsertOneResult at 0x1d4c35dda00>

In [19]:

Out[19]:

<pymongo.results.InsertOneResult at 0x1d4c2e9da90>

In [20]:

Out[20]:

<pymongo.results.InsertOneResult at 0x1d4c39e24f0>

In [22]:

Out[22]:

<pymongo.results.InsertManyResult at 0x1d4c34fbd60>

In [23]:

```
data5 = {
   "name": "notebook",
   "qty": 50,
   "rating": [ { "score": 8 }, { "score": 9 } ],
   "size": { "height": 11, "width": 8.5, "unit": "in" },
   "status": "A",
   "tags": [ "college-ruled", "perforated"]
}
collection.insert_one(data5)
```

Out[23]:

<pymongo.results.InsertOneResult at 0x1d4c3f4fdf0>

In [25]:

Out[25]:

<pymongo.results.InsertManyResult at 0x1d4c3c68490>

In [26]:

```
for i in collection.find():
   print(i)
{'_id': ObjectId('641c22f0e955c7002d0f8794'), 'name': 'asit', 'class': 'da
ta', 'timing ': 'flexi'}
{' id': ObjectId('641c23bfe955c7002d0f8795'), 'mail id': 'sudh@gmail.com',
phone_number': 2343243242}
{'_id': ObjectId('641c2435e955c7002d0f8796'), 'list_course': ['data scienc
e masters ', 'web dev ', 'java with DSA'], 'mentor': ['sudhanshu', 'anura
g', 'hyder']}
{'_id': ObjectId('641c24c0e955c7002d0f8797'), 'name': 'Amy', 'address': 'A
pple st 652'}
{'_id': ObjectId('641c24c0e955c7002d0f8798'), 'name': 'Hannah', 'address':
'Mountain 21'}
{'_id': ObjectId('641c24c0e955c7002d0f8799'), 'name': 'Michael', 'addres
s': 'Valley 345'}
{'_id': ObjectId('641c24c0e955c7002d0f879a'), 'name': 'Sandy', 'address':
'Ocean blvd 2'}
{' id': ObjectId('641c24c0e955c7002d0f879b'), 'name': 'Betty', 'address':
'Green Grass 1'}
{'_id': ObjectId('641c24c0e955c7002d0f879c'), 'name': 'Richard', 'addres
s': 'Sky st 331'}
{'_id': ObjectId('641c24c0e955c7002d0f879d'), 'name': 'Susan', 'address':
'One way 98'}
{' id': ObjectId('641c24c0e955c7002d0f879e'), 'name': 'Vicky', 'address':
'Yellow Garden 2'}
{'_id': ObjectId('641c24c0e955c7002d0f879f'), 'name': 'Ben', 'address': 'P
ark Lane 38'}
{'_id': ObjectId('641c24c0e955c7002d0f87a0'), 'name': 'William', 'addres
s': 'Central st 954'}
{' id': ObjectId('641c24c0e955c7002d0f87a1'), 'name': 'Chuck', 'address':
'Main Road 989'}
{'_id': ObjectId('641c24c0e955c7002d0f87a2'), 'name': 'Viola', 'address':
'Sideway 1633'}
{'_id': ObjectId('641c24e0e955c7002d0f87a3'), 'name': 'notebook', 'qty': 5
0, 'rating': [{'score': 8}, {'score': 9}], 'size': {'height': 11, 'width':
8.5, 'unit': 'in'}, 'status': 'A', 'tags': ['college-ruled', 'perforate
d']}
{'_id': ObjectId('641c2500e955c7002d0f87a4'), 'companyName': 'iNeuron', 'p
roduct': 'Affordable AI', 'courseOffered': 'Machine Learning with Deployme
{'_id': ObjectId('641c2500e955c7002d0f87a5'), 'companyName': 'iNeuron', 'p
roduct': 'Affordable AI', 'courseOffered': 'Deep Learning for NLP and Comp
uter vision'}
{'_id': ObjectId('641c2500e955c7002d0f87a6'), 'companyName': 'iNeuron', 'p
roduct': 'Master Program', 'courseOffered': 'Data Science Masters Progra
m'}
In [ ]:
```