

Sathish_Kumar_Rajendiran_Week7_7.4_MongoDB_async_activity

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Name: Sathish Kumar Rajendiran Task: Week7: 7.4 MongoDB Date: 8/12/2020

```
[2]: #pip install pymongo library
!pip install pymongo
```

Collecting pymongo

Downloading pymongo-3.11.0-cp37-cp37m-macosx_10_9_x86_64.whl (378 kB)

| 378 kB 2.0 MB/s eta 0:00:01

Installing collected packages: pymongo

Successfully installed pymongo-3.11.0

```
[1]: #import libraries
import pymongo
from pymongo import MongoClient
```

```
[2]: # Connecting to the database
client = MongoClient('localhost', 27017)
client.list_database_names
```

```
[2]: <bound method MongoClient.list_database_names of
MongoClient(host=['localhost:27017'], document_class=dict, tz_aware=False,
connect=True)>
```

```
[6]: db = client.peopledb
db.list_collection_names()
```

```
[6]: ['people']
```

```
[10]: # Create a new collection or use an existing collection
mypeoplecoll = db.peoplelist
print(type(mypeoplecoll))
db.list_collection_names()
```

```
<class 'pymongo.collection.Collection'>
```

```
[10]: ['peoplelist', 'people']
```

```
[9]: #people list
peoplelist = [{ "name": "Britney Sykes", "age": 21 , 'position': 'Guard'}, {
    ↪ "name": "Briana Day", "age": 19, 'position': 'Center'}, { "name": "Alexis
    ↪ Peterson", "age": 21, 'position': 'Guard' }, { "name": "Gabby Cooper", "age":
    ↪ 18, 'position': 'Guard'}]

#insert into collection
mypeoplecoll.insert_many(peoplelist)
```

```
<class 'pymongo.cursor.Cursor'>
{'_id': ObjectId('5f34df29d9e4910a54721c4f'), 'name': 'Britney Sykes', 'age':
21, 'position': 'Guard'}
{'_id': ObjectId('5f34df29d9e4910a54721c50'), 'name': 'Briana Day', 'age': 19,
'position': 'Center'}
{'_id': ObjectId('5f34df29d9e4910a54721c51'), 'name': 'Alexis Peterson', 'age':
21, 'position': 'Guard'}
{'_id': ObjectId('5f34df29d9e4910a54721c52'), 'name': 'Gabby Cooper', 'age': 18,
'position': 'Guard'}
```

```
[21]: #list all entries
docs = mypeoplecoll.find()
print(type(docs))

for doc in docs:
    print(doc)
```

```
<class 'pymongo.cursor.Cursor'>
{'_id': ObjectId('5f34df29d9e4910a54721c4f'), 'name': 'Britney Sykes', 'age':
21, 'position': 'Guard'}
{'_id': ObjectId('5f34df29d9e4910a54721c50'), 'name': 'Briana Day', 'age': 19,
'position': 'Center'}
{'_id': ObjectId('5f34df29d9e4910a54721c51'), 'name': 'Alexis Peterson', 'age':
21, 'position': 'Guard'}
{'_id': ObjectId('5f34df29d9e4910a54721c52'), 'name': 'Gabby Cooper', 'age': 18,
'position': 'Guard'}
```

```
[23]: #search for entries with age under 20
docs = mypeoplecoll.find()
for doc in docs:
    if(doc['age'] <20):
        print(doc)
```

```
{'_id': ObjectId('5f34df29d9e4910a54721c50'), 'name': 'Briana Day', 'age': 19,
'position': 'Center'}
{'_id': ObjectId('5f34df29d9e4910a54721c52'), 'name': 'Gabby Cooper', 'age': 18,
'position': 'Guard'}
```