

Pycharm → new project

Terminal → `pip install pymongo`

Insert:

```
import pymongo

myclient = pymongo.MongoClient("mongodb://localhost:27017/")
mydb = myclient["mydemo"]
mycol = mydb["employee"]

mylist = [
    { "name": "Amy", "address": "Apple st 652", "salary": 30000 },
    { "name": "Hannah", "address": "Mountain 21", "salary": 50000 },
    { "name": "Michael", "address": "Valley 345", "salary": 30000 },
    { "name": "Sandy", "address": "Ocean blvd 2", "salary": 80000 },
    { "name": "Betty", "address": "Green Grass 1", "salary": 50000 },
    { "name": "Richard", "address": "Sky st 331", "salary": 130000 },
    { "name": "Susan", "address": "One way 98", "salary": 30000 },
    { "name": "Vicky", "address": "Yellow Garden 2", "salary": 90000 },
    { "name": "Ben", "address": "Park Lane 38", "salary": 13000 },
    { "name": "William", "address": "Central st 954", "salary": 30000 },
    { "name": "Chuck", "address": "Main Road 989", "salary": 70000 },
    { "name": "Viola", "address": "Sideway 1633", "salary": 40000 }
]

x = mycol.insert_many(mylist)
```

Find:

```
import pymongo

myclient = pymongo.MongoClient("mongodb://localhost:27017/")
mydb = myclient["mydemo"]
mycol = mydb["employee"]
```

```
# find one
```

```
x = mycol.find_one()
```

```
print(x)
```

```
#find all
```

```
for x in mycol.find():
```

```
    print(x)
```

```
#find return some fields
```

```
>find employee whose name is 'betty'
```

```
for x in mycol.find({"name": 'Betty'}):
```

```
    print(x)
```

```
> Employees with salary below 50000
```

```
for x in mycol.find({"salary":{"$lt":50000}}):
```

```
    print(x)
```

Output:

Sort:

```
#ascending order
```

```
>sort by name:
```

```
mydoc = mycol.find().sort("name")
```

```
for x in mydoc:
```

```
    print(x)
```

```
print("\n descending order")
```

```
#descending order
```

```
mydoc = mycol.find().sort("name", -1)
```

```
for x in mydoc:  
    print(x)
```

Update:

```
#update one  
>update the salary of employee
```

```
myquery = { "name": "Amy" }  
newvalues = { "$set": { "salary": 50000 } }
```

```
mycol.update_one(myquery, newvalues)
```

```
#print "customers" after the update:  
for x in mycol.find():  
    print(x)
```

```
#update many
```

```
Update all employees whose salary is 30000
```

```
myquery = { "salary": 30000 }  
newvalues = { "$set": { "salary": 50000 } }
```

```
x = mycol.update_many(myquery, newvalues)
```

```
print(x.modified_count, "documents updated.")
```

Delete:

Delete employee named 'Sandy'

```
import pymongo

myclient = pymongo.MongoClient("mongodb://localhost:27017/")
mydb = myclient["mydemo"]
mycol = mydb["employee"]

myquery = { "name": "Sandy" }

mycol.delete_one(myquery)
```

#delete many
Delete employees whose having salary 50000

```
myquery = { "salary": 50000 }

x = mycol.delete_many(myquery)

print(x.deleted_count, " documents deleted.")
```

Limit:

#show first n records
show first 5 employees

```
import pymongo

myclient = pymongo.MongoClient("mongodb://localhost:27017/")
mydb = myclient["mydemo"]
mycol = mydb["employee"]

myresult=mycol.find().limit(5)

for x in myresult:
    print(x)
```

