

```
In [7]: pip install pymongo

Collecting pymongo
  Downloading pymongo-4.0.1-cp39-cp39-win_amd64.whl (354 kB)
Installing collected packages: pymongo
Successfully installed pymongo-4.0.1
Note: you may need to restart the kernel to use updated packages.

In [2]: # pymongo
from pymongo import MongoClient
from pprint import pprint

In [13]: #client=MongoClient('mongodb://localhost:27017')
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

book=db.bookTable
#book_details={'bookid':'1234','bookName':'fghf','price':45667}
book_details=[{'bookid':'1234','bookName':'fghf','price':45667},
               {'bookid':3456,'bookName':'hffg','price':75544}]
# Insert Document
#result=book.insert_one(book_details)
#print('Result :',result)
# Insert many records
result=book.insert_many(book_details)
print("Result :",result)

Client object is connected
Connected to Database
Result : <pymongo.results.InsertManyResult object at 0x000029873A021C0>

In [16]: client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

book=db.bookTable
#book_details={'bookid':'1234','bookName':'fghf','price':45667}
book_details=[{'bookid':'1234','bookName':'fghf','price':45667},
               {'bookid':3456,'bookName':'hffg','price':75544}]
result=book.find_one({'bookid':3456})
pprint(result)

Client object is connected
Connected to Database
{'_id': ObjectId('61f8844889a55e2260f15ae5'),
 'bookName': 'hffg',
 'bookid': 3456,
 'price': 75544}

In [25]: print("_____")
result=book.find()
#print(type(result))
for r in result:
    print(r)

# Update data one
book.update_one("bookid:1234,{"$set":{"bookName':'New Name','price':30987}})
print("Updation done")

{'_id': ObjectId('61f8832f89a55e2260f15ae2'), 'bookid': '1234', 'bookName': 'fghf', 'price': 45667}
{'_id': ObjectId('61f8844889a55e2260f15ae4'), 'bookid': '1234', 'bookName': 'fghf', 'price': 45667}
{'_id': ObjectId('61f8844889a55e2260f15ae5'), 'bookid': 3456, 'bookName': 'hffg', 'price': 75544}
Updation done

In [26]: # Update data many
print("_____")
result=book.find()
#print(type(result))
for r in result:
    print(r)

book.update_many({"bookid":'1234'},{"$set":{"bookName':'New Name','price':30987}})
print("Updation done")

{'_id': ObjectId('61f8832f89a55e2260f15ae2'), 'bookid': '1234', 'bookName': 'fghf', 'price': 45667}
{'_id': ObjectId('61f8844889a55e2260f15ae4'), 'bookid': '1234', 'bookName': 'fghf', 'price': 45667}
{'_id': ObjectId('61f8844889a55e2260f15ae5'), 'bookid': 3456, 'bookName': 'hffg', 'price': 75544}
Updation done

In [28]: # Delete data one
print("_____")
result=book.find()
#print(type(result))
for r in result:
    print(r)

book.delete_one({"bookid":1234})
print("Delete done")

{'_id': ObjectId('61f8832f89a55e2260f15ae2'), 'bookid': '1234', 'bookName': 'New Name', 'price': 30987}
{'_id': ObjectId('61f8844889a55e2260f15ae4'), 'bookid': '1234', 'bookName': 'New Name', 'price': 30987}
{'_id': ObjectId('61f8844889a55e2260f15ae5'), 'bookid': 3456, 'bookName': 'hffg', 'price': 75544}
Delete done

In [ ]: # Assignment

In [9]: # Insert record many
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

item=db.itemTable
item_details=[{'itemid':1,'itemName':'jhgfdd','price':250,'supplierId':101},
               {'itemid':2,'itemName':'oiuyt','price':200,'supplierId':102},
               {'itemid':3,'itemName':'uytte','price':150,'supplierId':103},
               {'itemid':4,'itemName':'iuytef','price':300,'supplierId':104},
               {'itemid':5,'itemName':'qwerty','price':350,'supplierId':105}]
result=item.insert_many(item_details)
print("Result :",result)

Client object is connected
Connected to Database
Result : <pymongo.results.InsertManyResult object at 0x000025894B43640>

In [12]: # Insert Record one
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

item=db.itemTable
item_details={'itemid':6,'itemName':'zxcvbb','price':400,'supplierId':106}

result=item.insert_one(item_details)
print("Result :",result)

Client object is connected
Connected to Database
Result : <pymongo.results.InsertOneResult object at 0x000025894F91680>

In [21]: # Find one Record
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

result=item.find_one({'itemid':2})
pprint(result)

Client object is connected
Connected to Database
{'_id': ObjectId('61f985a7951bdf2a9272eac6'),
 'itemName': 'oiuyt',
 'itemid': 2,
 'price': 200,
 'supplierId': 102}

In [20]: # Find many Records
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

result=item.find()
pprint(result)
for r in result:
    print(r)

Client object is connected
Connected to Database
<pymongo.cursor.Cursor object at 0x000025894A84C40>
{'_id': ObjectId('61f985a7951bdf2a9272eac5'), 'itemid': 1, 'itemName': 'jhgfdd', 'price': 250, 'supplierId': 101}
{'_id': ObjectId('61f985a7951bdf2a9272eac6'), 'itemid': 2, 'itemName': 'oiuyt', 'price': 200, 'supplierId': 102}
{'_id': ObjectId('61f985a7951bdf2a9272eac7'), 'itemid': 3, 'itemName': 'uytte', 'price': 150, 'supplierId': 103}
{'_id': ObjectId('61f985a7951bdf2a9272eac8'), 'itemid': 4, 'itemName': 'iuytef', 'price': 300, 'supplierId': 104}
{'_id': ObjectId('61f985a7951bdf2a9272eac9'), 'itemid': 5, 'itemName': 'qwerty', 'price': 350, 'supplierId': 105}
{'_id': ObjectId('61f9872b951bdf2a9272eacc'), 'itemid': 6, 'itemName': 'Pizza', 'price': 450, 'supplierId': 106}

In [19]: # Update one data
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")
item.update_one("itemid:6,{"$set":{"itemName':'Pizza','price':450}})
print("Updation done")

Client object is connected
Connected to Database
Updation done

In [26]: # Update many data
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

item.update_many({"itemid":1,{"$set":{"itemName':'Pasta','price':200}})
print("Updation done")

Client object is connected
Connected to Database
Updation done

In [27]: # Delete one data
client=MongoClient("mongodb://localhost:27017/?readPreference=primary&appName=MongoDB%20Compass&directConnection=true&ssl=false")
print("Client object is connected")
db=client.Library
print("Connected to Database")

item.delete_one("itemid:2")
print("Delete done")

Client object is connected
Connected to Database
Delete done

In [ ]: 
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