

create files

create.py

```
#connect and create database
# MongoDB Connectivity
#To create a database we have to create at least one collection with at least one inserted document
import pymongo
if __name__ == "__main__":
    print("Welcome to pyMongo")
    client = pymongo.MongoClient("mongodb://127.0.0.1:27017/")
    print(client)

    #Creating a database
    db = client['harry']
    collection = db['coder']
    dictionary = {'roll_no':1,'name':'aman', 'hobby':'reading'}
    collection.insert_one(dictionary)
```

showdbs.py

```
import pymongo
if __name__ == "__main__":
    print("Welcome to pyMongo")
    client = pymongo.MongoClient("mongodb://127.0.0.1:27017/")
    print(client)
    alldbs = client.list_database_names()
    print(alldbs)

    #show collections
    col = client['harry']
    print(col.list_collection_names())
```

insert.py

```
#Inset operations
import pymongo
if __name__ == "__main__":
    print("Welcome to pyMongo")
    client = pymongo.MongoClient("mongodb://127.0.0.1:27017/")
    print(client)
    db = client['harry']
    collection = db['coder']
    dictionary2 = {'roll_no':2, 'name':'arman', 'hobby':'writing'}
    collection.insert_one(dictionary2)
    allthese = [{'roll_no':3, 'name':'amit', 'hobby':'coding'},{'roll_no':4, 'name':'anand', 'hobby':'drawing'}]
    collection.insert_many(allthese)
```

read.py

```
import pymongo
if __name__ == "__main__":
```

```
print("Welcome to pyMongo")
client = pymongo.MongoClient("mongodb://127.0.0.1:27017/")
print(client)
#use the database named harry
db = client['harry']
collection = db['coder']

#for one document
one = collection.find_one({'name':'amit'})
print(one)

#for many documents
alldocs = collection.find()
for item in alldocs:
    print(item)
```

update.py

```
import pymongo
if __name__ == "__main__":
    print("Welcome to pyMongo")
    client = pymongo.MongoClient("mongodb://127.0.0.1:27017/")
    print(client)
    db = client['harry']
    collection = db['coder']

    #update one
    refield = {'name':'amit'}
    setfield = {'$set':{'hobby':'surfing'}}
    collection.update_one(refield, setfield)

    #if you want to update many use update_many in place of update_one
    refield = {'name':'arman'}
    setfield = {'$set':{'hobby':'riding'}}
    collection.update_many(refield, setfield)
```

delete.py

```
import pymongo
if __name__ == "__main__":
    print("Welcome to pyMongo")
    client = pymongo.MongoClient("mongodb://127.0.0.1:27017/")
    print(client)
    db = client['harry']
    collection = db['coder']

    #delete one record
    rec = {'name':'amit'}
    collection.delete_one(rec)

    #delete many record
    rec2 = {'name':'arman'}
    collection.delete_many(rec2)
```

END OF CODE
