Mongo documentations

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```
import pymongo # module to connect python and mongodb
client=pymongo.MongoClient("mongodb://localhost:27017/")
mydb = client['mongosh']
mycoll = mydb["employee"]
#common lines for all operations ^^^^^^^
#.........................to print list of
dbs.....................................................
print(client.list_database_names())


#.........................check db exist or
not ?????.....................................................
dblist=client.list_database_names()
if 'mongosh' in dblist:
    print('existt!!!')
else:
    print("not there !!!")

#.............................to create
collections.....................................................
colllist = mydb.list_collection_names()
if "employee" in colllist:
    print("yes there!!!")
else:
    print("not ecist !!!!")

#..............add fields to
collections.....................................................
....
#----------add single field to collection------------------------------
single_field = { 'a':'apple' , 'b':'ball'}
mycoll.insert_one(single_field)
#----------add multiple field to collection-----------------------------
multi_field = [{'c':'cat','d':'dog'},{'e':'eleven','f':'five'}]
fields_space = mycoll.insert_many(multi_field)


#.......................to get fields ID's
then.....................................................
print(fields_space.inserted_ids)


'''
#-----------------insert fields with specified (duplicate ids not allowed)
multi_field =
[{'_id':1,'c':'cat','d':'dog'},{'_id':4,'e':'eleven','f':'five'}]
fields_space = mycoll.insert_many(multi_field)
'''

#.....................find one and many field in
collections.....................................................
#--------------------------------find one
field--------------------------------
x = mycoll.find_one()
print(x)
#--------------------------------find many
```

```
fileds--------------------------------
for x in mycoll.find():
    print('all',x)
#.............................update info in
field.................................................
#------------------------------single field
update---------------------------
my_query = { 'c':'cat'}
myq_update = {'$set':{'c':'car'}}
mycoll.update_one(my_query, myq_update)
for x in mycoll.find():
    print(x)
#-------------------multiple field update(individual doc's , individual
lines)-----------------
'''
updates = [
    {
        'query': {'c': 'cat', 'z': 'zoo'},
        'update': {'$set': {'c': 'car','z': 'zooooo'}}
    },
    {
        'query': {'some_other_field': 'some_value'},
        'update': {'$set': {'new_field': 'new_value', 'another_field':
'another_value'}}
    }
]
for update in updates:
    mycoll.update_many(update['query'], update['update'])

'''



#.......................to find / read all
documents.....................................
#----------------------------
ALL-----------------------------------------------
for x in mycoll.find():
    print(x)

#----------------------find fields as limit
mentioned-----------------------------------
mylimit = mycoll.find().limit(2)
for x in mylimit:
    print(x)


#.......................to delete document from collection in
db.................................
#---------------------delete single document form collection in
database------------------------
for x in mycoll.find():
    print('documents before deletion : ',x)
x = mycoll.find_one()
x = mycoll.delete_one(x)
print(x.deleted_count, "deleted")
for x in mycoll.find():
    print('final documents after single deletion : ',x)
#----------------------deletion of all documents in collections from
database---------------------
x = mycoll.delete_many({})
print(x.deleted_count, "deleted")
```

```
#d.............delete whole collection from the database(no
single/selected/multiple).................
#mycoll.drop()
```