**PRACTICAL NO:-07**

**Python and MongoDB a. Connecting Python with MongoDB and inserting, retrieving, updating and deleting.**

Step 1: Install pymongo

In terminal:

pip install pymongo

**1)Insertion:-**

**CODE:-**

from pymongo import MongoClient

client=MongoClient("mongodb://localhost:27017/")

db=client["python\_db"]

coll=db["emp"]

rec={"name":"Karan","age":21}

i=coll.insert\_one(rec)

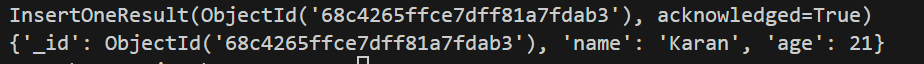
print(i)

p=coll.find()

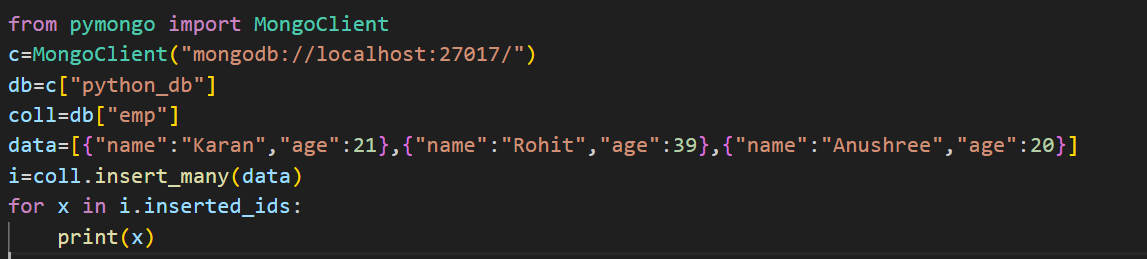
for x in p:

    print(x)

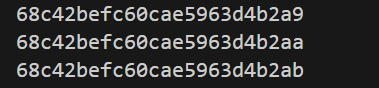
**OUTPUT:-**

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**Inserting multiple data:-**

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**OUTPUT:-**

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**Retrieving data:-**

**CODE:-**

from pymongo import MongoClient

c=MongoClient("mongodb://localhost:27017/")

db=c["python\_db"]

coll=db["emp"]

r=coll.find\_one({"age":21},{"\_id":0})

print(r)

**OUTPUT:-**

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**DELETE:**

**CODE:-**

from pymongo import MongoClient

c=MongoClient("mongodb://localhost:27017/")

db=c["python\_db"]

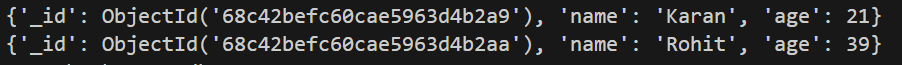
coll=db["emp"]

r=coll.delete\_many({"age":20})

for x in coll.find():

    print(x)

**OUTPUT:-**

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**UPDATE**

**CODE:-**

from pymongo import MongoClient

c=MongoClient("mongodb://localhost:27017/")

db=c["python\_db"]

coll=db["emp"]

r=coll.update\_many({"name":"Karan"},{"$set":{"department":"IT"}})

for x in coll.find():

    print(x)

**OUTPUT:-**

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