**Practical no :12**

Mongodb database connectivity : create,update,delete operations

pip install pymongo

from pymongo import MongoClient

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

db\_in = input("Enter the database name: ")

db = conn[db\_in]

coll\_in = input("Enter the collection name: ")

coll = db[coll\_in]

pid = int(input("Enter product id: "))

pname = input("Enter product name: ")

price = float(input("Enter price: "))

rec = {"pid": pid, "pname": pname, "price": price}

coll.insert\_one(rec)

print("Data has been inserted")

output:

\_id

68ee006b6e049560292babd8

pid

101

pname

"java"

price

1200

Update operations :

from pymongo import MongoClient

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

db\_name = input("Enter the database name: ")

db = conn[db\_name]

coll\_name = input("Enter the collection name: ")

coll = db[coll\_name]

pid = int(input("Enter product ID to update: "))

new\_pname = input("Enter new product name: ")

new\_price = float(input("Enter new price: "))

result = coll.update\_one(

{"pid": pid},

{"$set": {"pname": new\_pname, "price": new\_price}}

)

if result.matched\_count:

print("Record updated.")

else:

print("No matching record found.")

output:

\_id

68ee006b6e049560292babd8

pid

101

pname

"Notebook"

price

1300

**Delete Operations :**

from pymongo import MongoClient

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

db\_name = input("Enter the database name: ")

db = conn[db\_name]

coll\_name = input("Enter the collection name: ")

coll = db[coll\_name]

pid = int(input("Enter product ID to delete: "))

result = coll.delete\_one({"pid": pid})

if result.deleted\_count:

print("Record deleted.")

else:

print("No matching record found.")

output:

Enter the database name: shop

Enter the collection name: products

Enter product ID to delete: 101

Record deleted.