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from pymongo import MongoClient

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

db = client["mydb"]
coll = db["Stud"]

coll.delete_many({})

doc1 = {"rno": "1", "name": "Aditya"}
doc2 = {"rno": "2", "name": "Kruhna"}
coll.insert_many([doc1, doc2])

print("After insert:")
for doc in coll.find():
    print(doc)

query = {"rno": "2"}
new_values = {"$set": {"name": "Harshal"}}
update_result = coll.update_one(query, new_values)

print("\nUpdate result:")
print("Matched:", update_result.matched_count)
print("Modified:", update_result.modified_count)

print("\nAfter trying to update Ganesh to Harshal:")
for doc in coll.find():
    print(doc)

query2 = {"name": "Aditya"}
new_values2 = {"$set": {"name": "Harshal"}}
update_result2 = coll.update_one(query2, new_values2)

print("\nUpdate result 2:")
print("Matched:", update_result2.matched_count)
print("Modified:", update_result2.modified_count)

print("\nAfter updating Aditya to Harshal:")
for doc in coll.find():
    print(doc)

delete_result = coll.delete_one({"name": "Harshal"})
print("\nDeleted count:", delete_result.deleted_count)

print("\nAfter delete:")
for doc in coll.find():
    print(doc)

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