**Practical 12**

from pymongo import MongoClient

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

db\_in = input("Enter Database Name: ")

db = Conn[db\_in]

Coll\_in = input("Enter Collection Name: ")

Coll = db[Coll\_in]

def create\_record():

Pid = int(input("Enter Pid: "))

Pname = input("Enter Pname: ")

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

qty = int(input("Enter Quantity: "))

rec = {"Pid": Pid, "Pname": Pname, "Price": price, "qty": qty}

Coll.insert\_one(rec)

print("Record Inserted!")

def read\_records():

print("\n--- All Records ---")

results = Coll.find() # Retrieve all records from the collection

for result in results:

print(result)

def update\_record():

Pid = int(input("Enter Pid to update: "))

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

new\_qty = int(input("Enter new Quantity: "))

result = Coll.update\_one({"Pid": Pid}, {"$set": {"Price": new\_price, "qty": new\_qty}})

if result.matched\_count > 0:

print("Record Updated!")

else:

print("No matching record found!")

def delete\_record():

Pid = int(input("Enter Pid to delete: "))

result = Coll.delete\_one({"Pid": Pid})

if result.deleted\_count > 0:

print("Record Deleted!")

else:

print("No matching record found!")

def main\_menu():

while True:

print("\n--- MongoDB CRUD Operations ---")

print("1. Create Record")

print("2. Read Records")

print("3. Update Record")

print("4. Delete Record")

print("5. Exit")

choice = input("Enter your choice: ")

if choice == "1":

create\_record()

elif choice == "2":

read\_records()

elif choice == "3":

update\_record()

elif choice == "4":

delete\_record()

elif choice == "5":

print("Exiting...")

break

else:

print("Invalid choice. Please try again.")

main\_menu()