

**/*Practical No : 07
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// INSTALL AND STUDY MONGO DB AND IMPLEMENT CURD OPERATION

// Switch to a database or create one if it doesn't exist

use testDB; // Database 'testDB' will be created if it doesn't exist

// 1. CREATE Operation:

db.products.insertOne({ item: "card", qty: 15 });

// Insert a document with a custom _id field

db.products.insertOne({ _id: 10, item: "box", qty: 20 });

// 2. READ Operation:

// Retrieve all documents in the 'products' collection

db.products.find();

// Retrieve documents that match a specific condition

db.products.find({ qty: { \$gt: 10 } });

// Finds documents where 'qty' is greater than 10

// 3. UPDATE Operation: Updating Documents in the 'products' Collection

db.products.updateOne({ item: "card" }, { \$set: { qty: 25 } });

// Sets 'qty' to 25 for documents with item 'card'

db.products.updateMany({ qty: { \$lt: 30 } }, { \$set: { qty: 30 } });

// Sets 'qty' to 30 for all documents with 'qty' less than 30

// 4. DELETE Operation: Removing Documents from the 'products' Collection

// Delete a specific document based on a condition

db.products.deleteOne({ item: "box" });

// Deletes one document with 'item' equal to 'box'

// Delete all documents that match a certain condition

db.products.deleteMany({ qty: { \$lt: 30 } });

// Deletes all documents with 'qty' less than 30

// Delete all documents in the 'products' collection

db.products.deleteMany({});