// Insert Documents in Employee Collection

db.Employee.insertMany([

{

Emp\_id: 1,

Name: { FName: "Alice", LName: "Smith" },

CompanyName: "TCS",

Salary: 45000,

Designation: "Tester",

Age: 25,

Expertise: ["JavaScript", "MongoDB"],

DOB: "1997-02-10",

Email: "alice.smith@tcs.com",

Contact: "9876543210",

Address: [{ PAddr: "123 Main St", LAddr: "456 Side St" }]

},

// Add more documents as necessary

]);

// 1. Insert new document if Tester in TCS with age 25 does not exist

db.Employee.update(

{ Designation: "Tester", CompanyName: "TCS", Age: 25 },

{ $setOnInsert: { Emp\_id: 2, Name: { FName: "Bob", LName: "Brown" }, CompanyName: "TCS", Salary: 42000, Designation: "Tester", Age: 25, Expertise: ["MongoDB", "MySQL"], DOB: "1996-08-15", Email: "bob.brown@tcs.com", Contact: "1234567890", Address: [{ PAddr: "789 Side St", LAddr: "123 Front St" }] } },

{ upsert: true }

);

// 2. Increase salary by 2000 for employees at TCS

db.Employee.updateMany(

{ CompanyName: "TCS" },

{ $inc: { Salary: 2000 } }

);

// 3. Find documents with Address containing city "Pune" and Pin\_code "411001"

db.Employee.find({

Address: { $elemMatch: { city: "Pune", Pin\_code: "411001" } }

});

// 4. Find employee details where Designation is "Developer" or "Tester"

db.Employee.find({

Designation: { $in: ["Developer", "Tester"] }

});

// 5. Delete a single document where Designation is "Developer"

db.Employee.deleteOne({

Designation: "Developer"

});

// 6. Count number of documents in Employee collection

db.Employee.countDocuments();