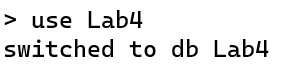
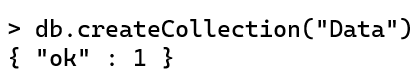
**Practical-4**

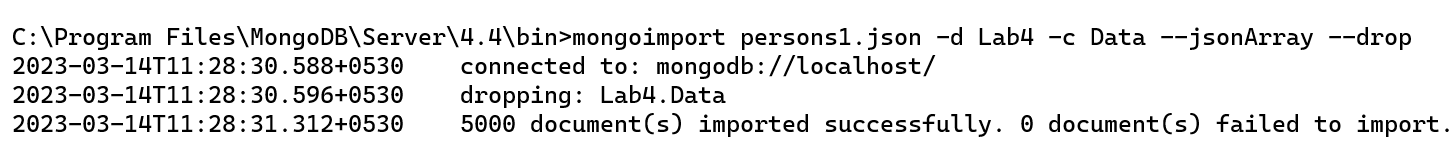
**use Lab4**



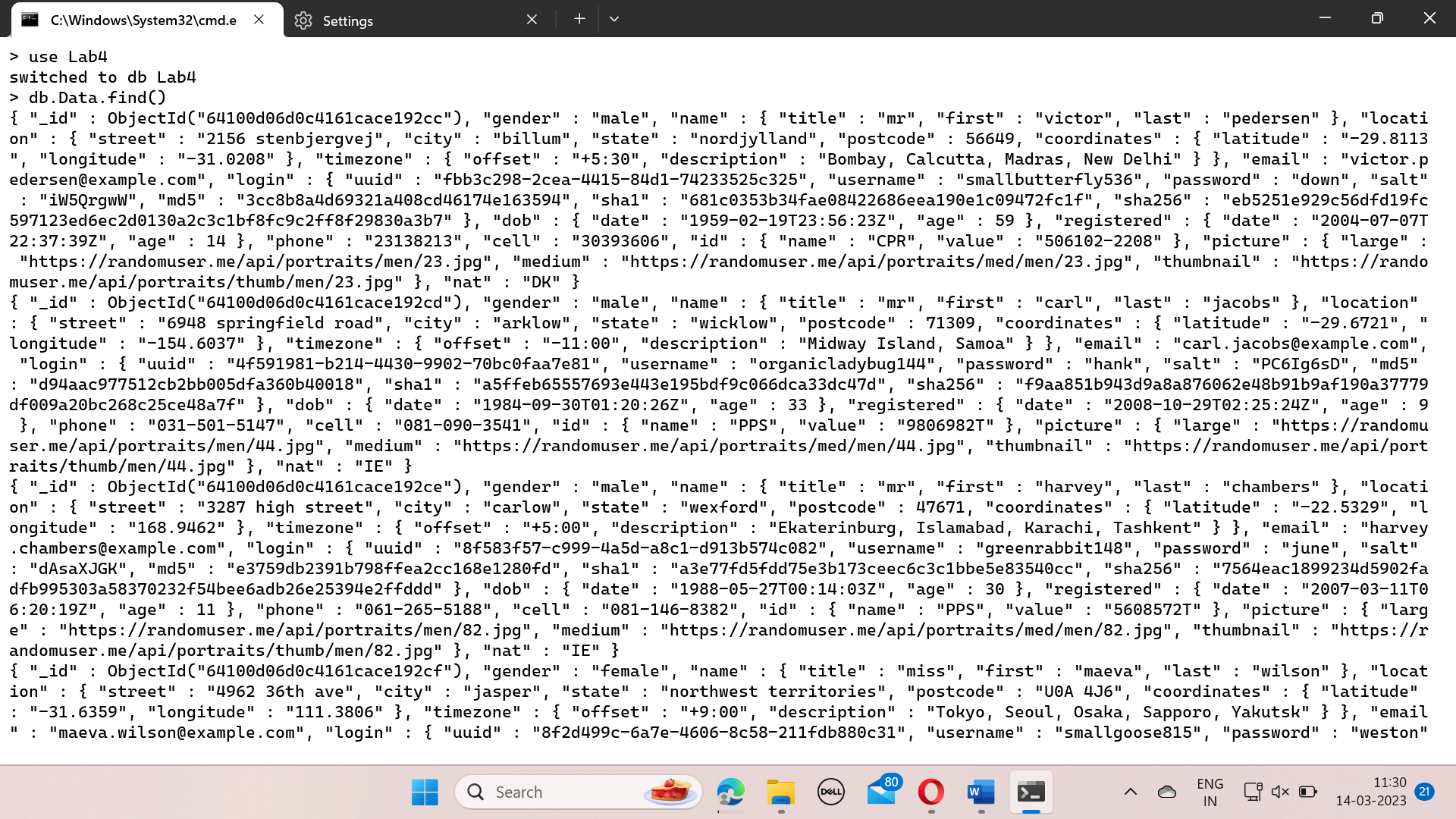
**db.createCollection("Data")**

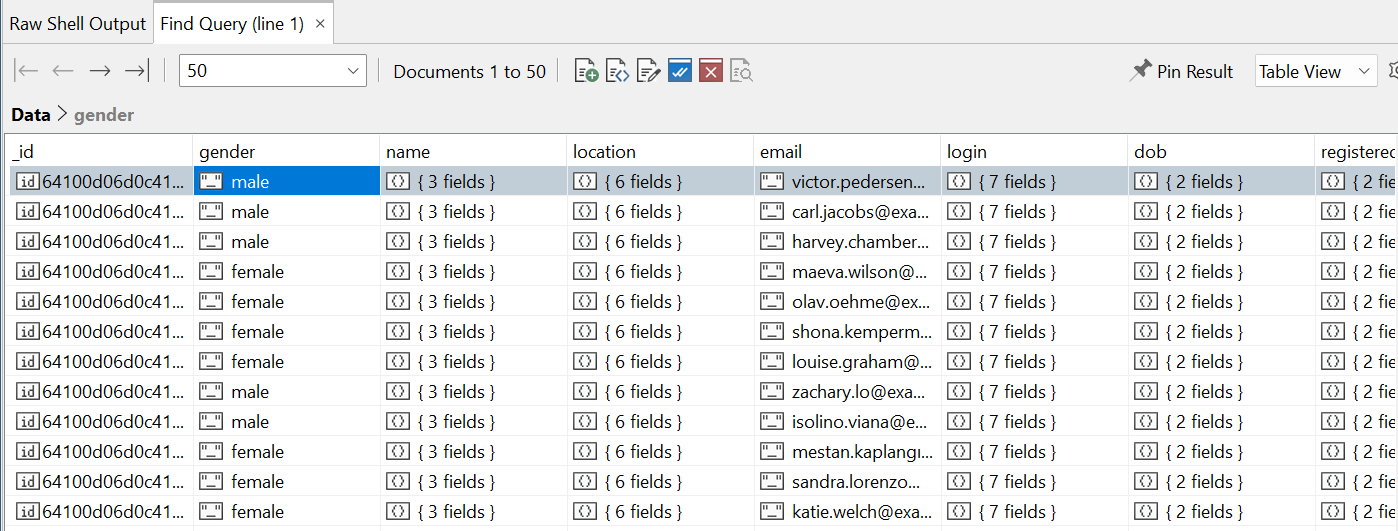


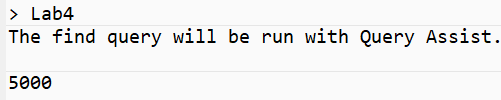
**mongoimport persons1.json -d Lab4 -c Data --jsonArray --drop**



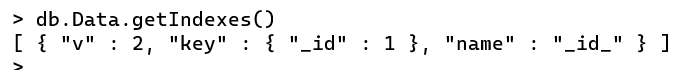
**db.Data.find()**



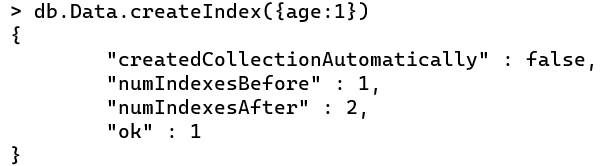




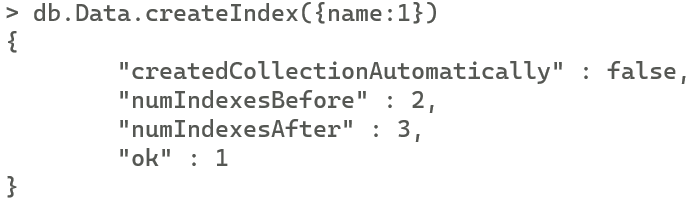
**db.Data.getIndexes()**

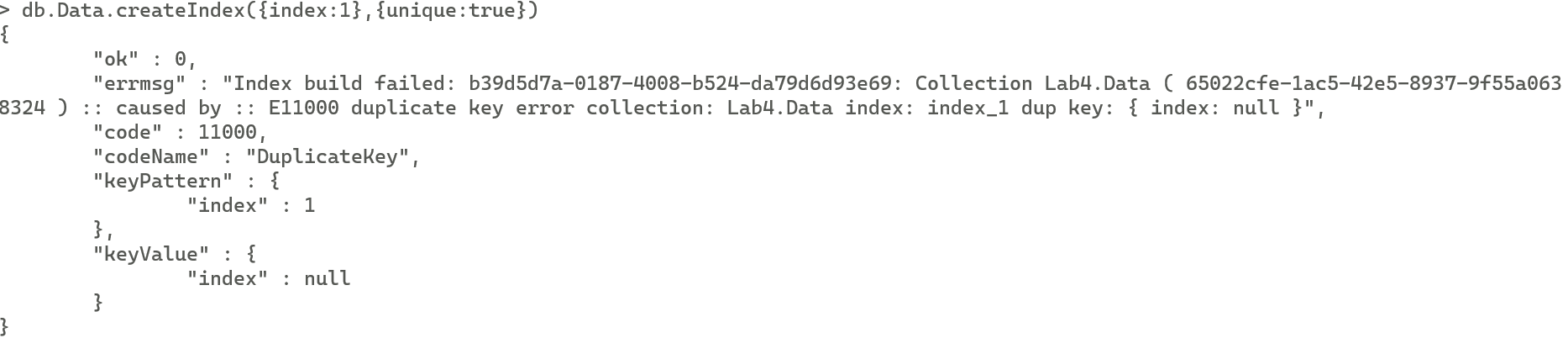


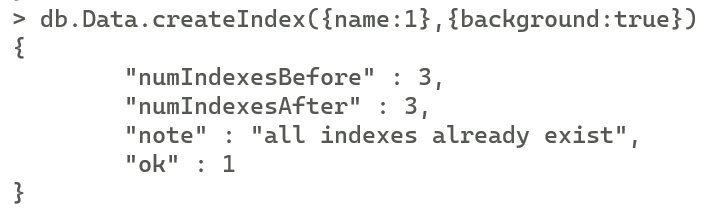
**db.Data.createIndex({age:1})**

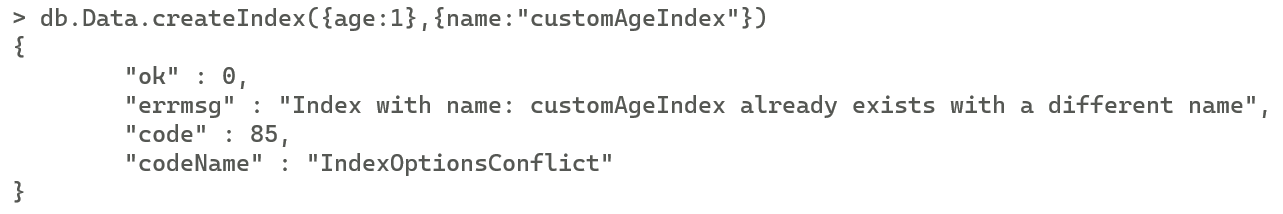
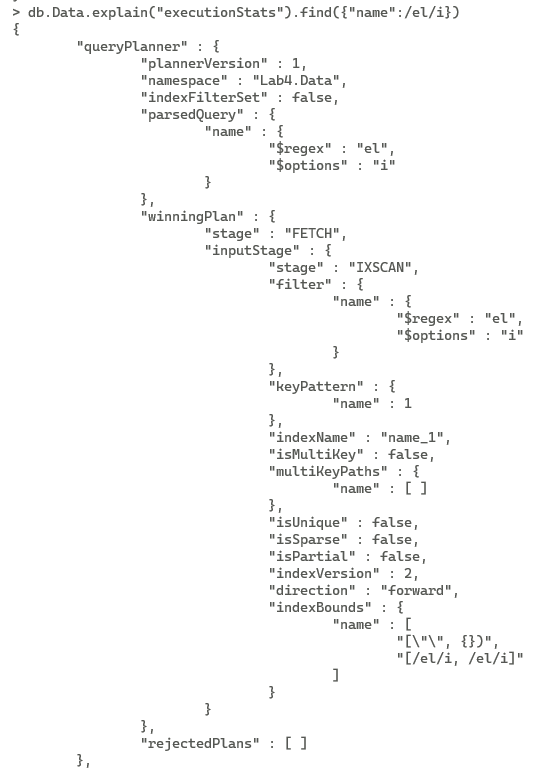


**db.Data.createIndex({name:1})**



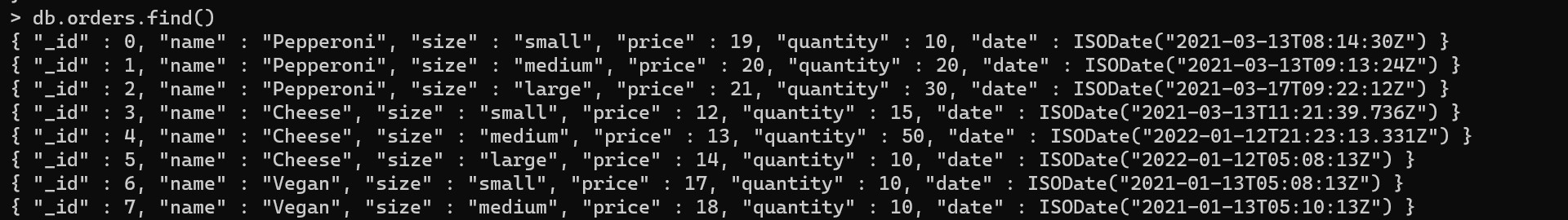
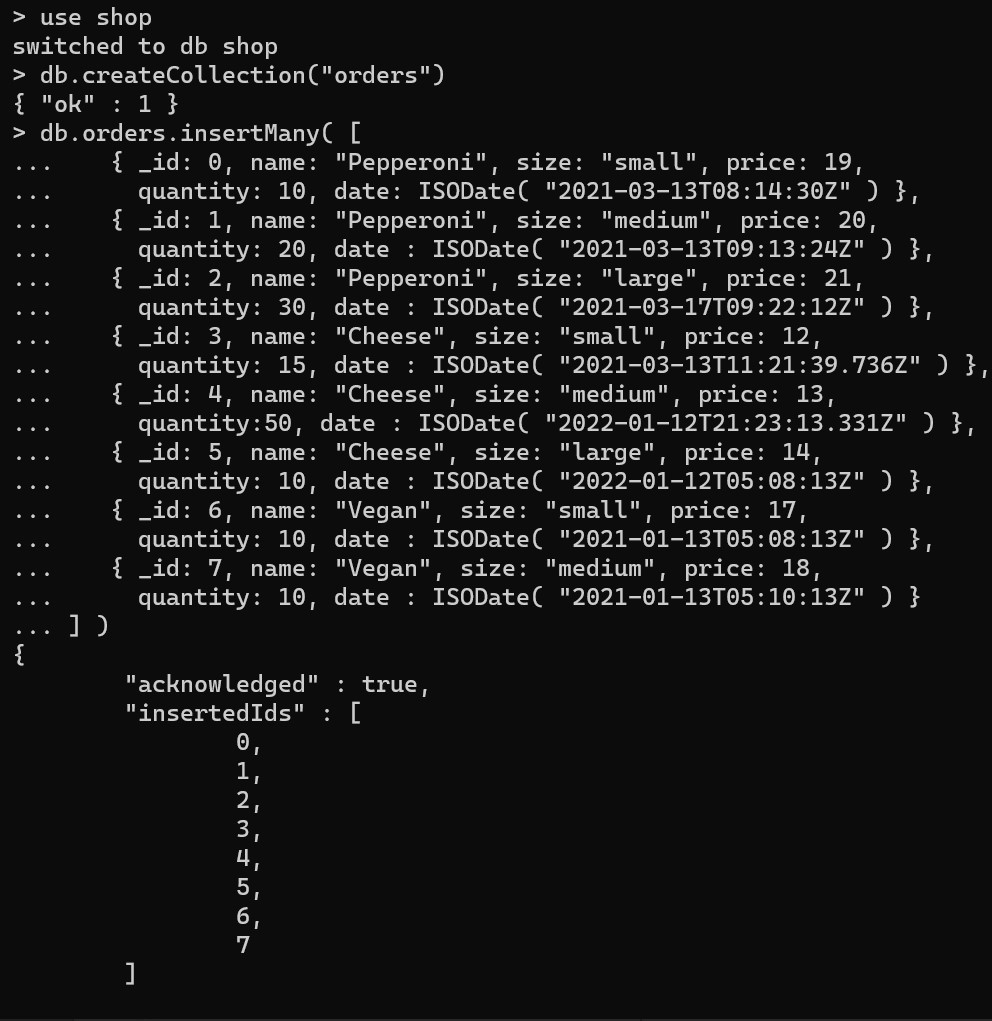
**db.Data.createIndex({index:1},{unique:true})**

**db.Data.createIndex({name:1},{background:true})**

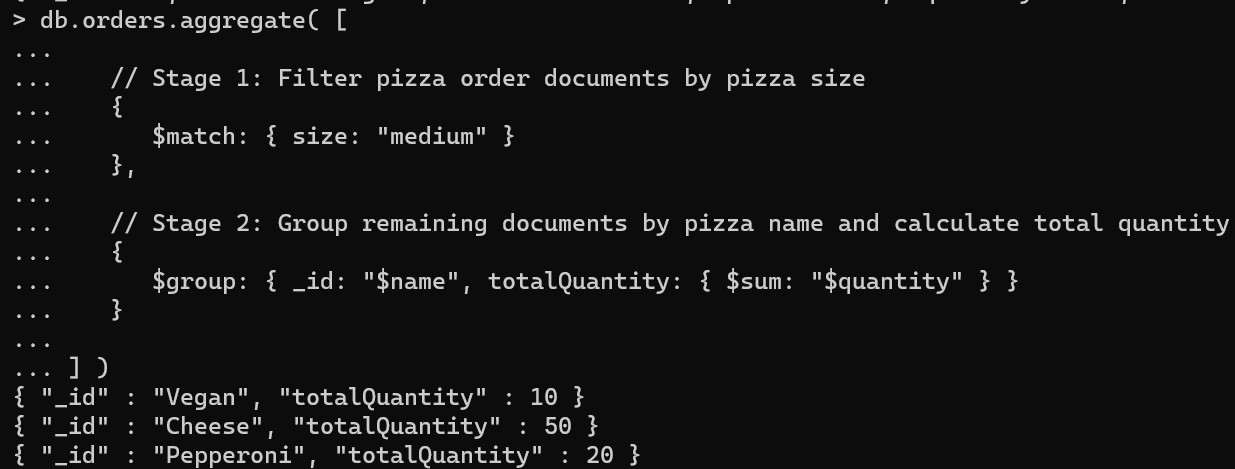
**db.Data.createIndex({age:1},{name:"customAgeIndex"})** **db.Data.explain().find({"Age":{$gt:25}})** **db.Data.explain("executionStats").find({"Age":{$lt:25}})** **db.Data.explain().find({"gender":"female"})** **db.Data.explain("executionStats").find({"gender":"male"})** **db.Data.explain("executionStats").find({"name":/el/i})** 

# Aggregation

**Complete Aggregation Pipeline Examples.**



**Calculate Total Order Quantity.**



**Calculate Total Order Value and Average Order Quantity.**

