

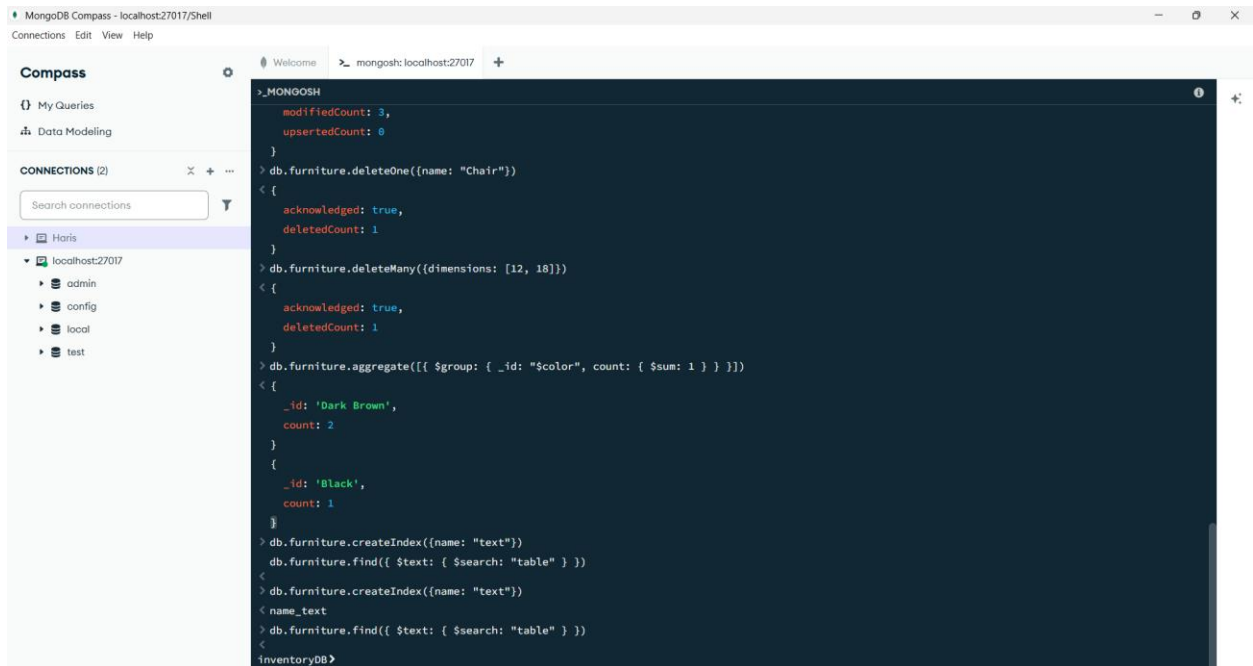
23K-6005

HARIS AHMED

BSAI-5A

DATABASE LAB 11:

LAB TASKS



The screenshot shows the MongoDB Compass application interface. On the left, the 'Connections' panel lists two connections: 'Haris' and 'localhost:27017'. The 'localhost:27017' connection is expanded, showing a list of databases: 'admin', 'config', 'local', and 'test'. The main area displays the 'mongosh' shell with the following commands and their outputs:

```
> _MONGOOSH
modifiedCount: 3,
upsertedCount: 0
}
> db.furniture.deleteOne({name: "Chair"})
< {
  acknowledged: true,
  deletedCount: 1
}
> db.furniture.deleteMany({dimensions: [12, 18]})
< {
  acknowledged: true,
  deletedCount: 1
}
> db.furniture.aggregate([{$group: { _id: "$color", count: { $sum: 1 } } }])
< {
  _id: 'Dark Brown',
  count: 2
}
{
  _id: 'Black',
  count: 1
}
]
> db.furniture.createIndex({name: "text"})
db.furniture.find({ $text: { $search: "table" } })
<
> db.furniture.createIndex({name: "text"})
< name_text
> db.furniture.find({ $text: { $search: "table" } })
<
inventoryDB>
```

MongoDB Compass - localhost:27017/Shell

Connections Edit View Help

Compass

My Queries

Data Modeling

CONNECTIONS (2)

Search connections

Haris

localhost:27017

admin

config

local

test

```
> _MONGOOSH
18
}
}
{
  _id: ObjectId('6939ee0819bc8b8c3ff9e0a3'),
  name: 'Chair',
  color: 'Brown',
  dimensions: [
    12,
    18
  ]
}
> db.furniture.updateOne({name: "Table"}, {$set: {color: "Ivory"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.furniture.updateMany({color: "Brown"}, {$set: {color: "Dark Brown"}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 3,
  upsertedCount: 0
}
> db.furniture.deleteOne({name: "Chair"})
```

MongoDB Compass - localhost:27017/Shell

Connections Edit View Help

Compass

My Queries

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CONNECTIONS (2)

Search connections

Haris

localhost:27017

admin

config

local

test

```
> _MONGOOSH
100
}
}
{
  _id: ObjectId('6939ee0819bc8b8c3ff9e0a4'),
  name: 'Bed',
  color: 'Black',
  dimensions: [
    32,
    90
  ]
}
{
  _id: ObjectId('6939ee0d19bc8b8c3ff9e0a5'),
  name: 'Desk',
  color: 'Brown',
  dimensions: [
    50,
    100
  ]
}
> db.furniture.find({$and: [{color: "Brown"}, {$or: [{name: "Table"}, {name: "Chair"}]}]})
< {
  _id: ObjectId('6939ee0819bc8b8c3ff9e0a2'),
  name: 'Table',
  color: 'Brown',
  dimensions: [
    12,
    18
  ]
}
```

