```
1. Show Available Databases
Command:
show dbs
Output:
admin
        0.000GB
config 0.000GB
local
       0.000GB
2. Create/Use a Database
Command:
use myDatabase
Output:
switched to db myDatabase
3. Create a Collection & Insert Data
Command:
db.users.insertOne({ name: "John", age: 30, country: "USA" })
Output:
{
 "acknowledged": true,
 "insertedId": ObjectId("60b8d295f1d2f3a9b8a7a8d1")
}
4. Insert Multiple Documents
Command:
db.users.insertMany([
 { name: "Alice", age: 25, country: "UK" },
 { name: "Bob", age: 28, country: "India" }
])
Output:
 "acknowledged": true,
 "insertedIds": {
  "0": ObjectId("60b8d295f1d2f3a9b8a7a8d2"),
  "1": ObjectId("60b8d295f1d2f3a9b8a7a8d3")
 }
```

```
5. Read Data (Find Documents)
Command:
db.users.find()
Output:
{ "_id": ObjectId("60b8d295f1d2f3a9b8a7a8d1"), "name": "John", "age": 30, "country": "USA" },
{ "_id": ObjectId("60b8d295f1d2f3a9b8a7a8d2"), "name": "Alice", "age": 25, "country": "UK" },
{ "_id": ObjectId("60b8d295f1d2f3a9b8a7a8d3"), "name": "Bob", "age": 28, "country": "India" }
]
6. Update Data
Command:
db.users.updateOne({ name: "John" }, { $set: { age: 31 } })
Output:
 "acknowledged": true,
 "matchedCount": 1,
 "modifiedCount": 1
}
7. Delete Data
Command:
db.users.deleteOne({ name: "Alice" })
Output:
 "acknowledged": true,
 "deletedCount": 1
}
8. Create an Index for Performance
Command:
db.users.createIndex({ name: 1 })
Output:
 "createdCollectionAutomatically": false,
 "numIndexesBefore": 1,
```

}

```
"numIndexesAfter": 2,
   "ok": 1
}

9. Aggregation Example (Count Users by Country)
Command:
db.users.aggregate([
    {$group: {_id: "$country", count: {$sum: 1}}}
])
Output:
[
    {"_id": "USA", "count": 1},
    {"_id": "India", "count": 1}
]
```

Conclusion

This document provides a reference for common MongoDB commands with their outputs. These command