Lab 2 MongoDB Part - 2

```
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ mongosh
Current Mongosh Log ID: 67cff7c16bfaaa2811db83af
Connecting to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&app
Name=mongosh+2.2.0
Using MongoDB:          7.0.6
Using Mongosh:          2.2.0

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

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   The server generated these startup warnings when booting
   2025-03-11T14:00:06.317+05:30: Using the XFS filesystem is strongly recommended with the WiredTiger sto
rage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
   2025-03-11T14:00:08.134+05:30: Access control is not enabled for the database. Read and write access to
 data and configuration is unrestricted
------

Enterprise test> use uzairDB
switched to db uzairDB
Enterprise uzairDB> db.createCollection('Student')
{ ok: 1 }
```

```
Enterprise uzairDB> db.Student.insert({_id: 1, StudName: "Michelle Jacintha", Grade: "VII", Hobbies: "
rnet Surfing"});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{ acknowledged: true, insertedIds: { '0': 1 } }
Enterprise uzairDB> db.Student.update(
...    {_id: 3, StudName: "Aryan David", Grade: "VII"},
...    {$set: {Hobbies: "Skating"}},
...    {upsert: true}
... );
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: 3,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 1
}
Enterprise uzairDB> db.Student.find({StudName: "Aryan David"});
[
  { _id: 3, StudName: 'Aryan David', Grade: 'VII', Hobbies: 'Skating' }
]
Enterprise uzairDB> db.Student.find({}, {StudName: 1, Grade: 1, _id: 0});
[
  { StudName: 'Michelle Jacintha', Grade: 'VII' },
  { StudName: 'Aryan David', Grade: 'VII' }
]
Enterprise uzairDB> db.Student.find({Grade: {$eq: 'VII'}}).pretty();
[
  {
    _id: 1,
    StudName: 'Michelle Jacintha',
    Grade: 'VII',
    Hobbies: 'Internet Surfing'
  },
  { _id: 3, StudName: 'Aryan David', Grade: 'VII', Hobbies: 'Skating' }
]
Enterprise uzairDB> db.Student.find({Hobbies: { $in: ['Chess', 'Skating']}}).pretty();
[
  { _id: 3, StudName: 'Aryan David', Grade: 'VII', Hobbies: 'Skating' }
]
```

```
]
Enterprise uzairDB> db.Student.find({StudName: /^M/}).pretty();
[
  {
    _id: 1,
    StudName: 'Michelle Jacintha',
    Grade: 'VII',
    Hobbies: 'Internet Surfing'
  }
]
Enterprise uzairDB> db.Student.find({StudName: /e/}).pretty();
[
  {
    _id: 1,
    StudName: 'Michelle Jacintha',
    Grade: 'VII',
    Hobbies: 'Internet Surfing'
  }
]
Enterprise uzairDB> db.Student.count();
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
2
Enterprise uzairDB> db.Student.find().sort({StudName:-1}).pretty();
[
  {
    _id: 1,
    StudName: 'Michelle Jacintha',
    Grade: 'VII',
    Hobbies: 'Internet Surfing'
  },
  { _id: 3, StudName: 'Aryan David', Grade: 'VII', Hobbies: 'Skating' }
]
```

```
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ cd home
bash: cd: home: No such file or directory
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ cd Desktop
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ touch out.csv
```

```
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ mongoexport --host localhost --db uzairDB -
collection Student --type csv --out /home/bmscecse/Desktop/out.csv --fields _id,StudName
2025-03-11T15:01:48.547+0530    connected to: mongodb://localhost/
2025-03-11T15:01:48.549+0530    exported 2 records
```

```
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ mongoimport --db uzairDB --collection Studen
t --type csv --headerline --file /home/bmscecse/Desktop/out.csv --upsert
2025-03-11T15:08:12.504+0530    connected to: mongodb://localhost/
2025-03-11T15:08:12.514+0530    2 document(s) imported successfully. 0 document(s) failed to import.
```

```
Enterprise uzairDB> db.Student.find()
[
  { _id: 1, StudName: 'Michelle Jacintha' },
  { _id: 3, StudName: 'Aryan David' }
]
```