## **DBMS** extra lab

## **Commands executed:**

- 1. Insert
- 2. Update
- 3. Delete
- 4. count()
- 5. limit()
- 6. sort()
- 7. \$gt
- 8. \$lt
- 9. \$in
- 10. \$min
- 11. \$max
- 12. \$sum

```
_id: ObjectId("6d62058607559fb9f261e3f7"),

ID: 101,

Mame: [ ffirstname: "Swara', lastname: "Muhajam' ] ],

Branch: 'G',

CGPA: 8,

City: "Banglore'
                 _id: ObjectId("6462067627599fb9f261e3f8"),
_ID: 102,
_Rame: [ { firstname: 'Shivani', lastname: 'Putil' } ],
_GOM: 8.5,
_GOM: 8.5,
_GOM: B.5,
_
                  _id: ObjectId("64620647e7559fb9f261e3f9"),
ID: 103,
Name: [ fristname: 'Aishwarya', lastname: 'Pharande' ) ],
GCPA: 9,
CGPA: 9,
City: 'Mumbai'
                  _id: ObjectId("64620964e7559fb9f261e3fa"),
ID: 104,
Name: [ { firstname: 'Janvi', lastname: 'Jain' } ],
Branch: 'CIVIL',
CGPA: 7,
City: 'Pune'
                     _id: ObjectId("64620989e7559fb9f261e3fb"),
ID: 104,
monoposh monopodb://12700.12701/mo.cr.
students> db.students.deleteOne({ID:104})
( acknowledged: true, deletedCount: 1 )
students> db.students.find()
               id: ObjectId("64620986e7599fb9f261e3f7"),

ID: 101,

Name: [{ firstname: 'Swara', lastname: 'Mahajam' }],

Branch: 'C',

CGPA: 8,

City: 'Manglore'
                 dd: ObjectId("646205f7e7559fb9f261e3f8"),
ID: 102,
Name: [ finstname: "Shivani', lastname: "Putil' ) ],
Branch: !MCH!,
Cach: !MCH!,
City: "Delhi"
                 _id: ObjectId("64620647e7559fb9f261e3f9"),
ID: 10:,
Rame: [ { firstname: 'Aishuorya', lastname: 'Pharande' } ],
Gent: 'RCCI',
GENT: 'Jumbai'
                  _id: ObjectId("66620989e7559fb9f261e3fb"),
ID: 1046.
Name: [ ffirstname: "Kinjal", lastname: "Hundai" ) ],
Branch: "cYUL",
CGPA: 7,
City: "Pune"
```

```
tudents> db.students.deleteMany({ID:104})
acknowledged: true, deletedCount: 2 }
tudents> db.students.find()
 id: ObjectId("64620586e7559fb9f261e3f7"),

ID: 181,

Mame: [ firstname: "Smara", lastname: "Mahajan" } ],

Branch: 'Cs",

GGA: 8,

City: "Banglore'
  _id: ObjectId("646205f7e7559fb9f261e3f8"),

ID: 102,

Name: [ { fristname: "Shivani', lastname: "Fatil' } ],

Branch: "MCH!,

CGPA: 8.5,

City: "Delh!"
 udents>
 Intengoth mongodb//127&0.127017/MONGOOB?directConnection-true&severSe
    id: ObjectId("64620647e7559fb9f261e3f0"),
ID: 183,
Name: [ { firstname: 'Aishuarya', lastname: 'Pharande' } },
Branch: 'EEGH',
CGPA: 9,
City: 'Phambal'
_id: ObjectId("64620647e7559fb9f261e3f9"),

ID: 103:

Name: [{ firstname: "Alshwarya", lastname: "Pharande" } ],

Branch: "RCH!",

CGPA: 9,

City: "Pune"
```

```
[__id: ObjectId("646205f7e7559fb9f261e3f8"),
__id: 102;
__Name: [ { firstname: "Shivani", lastname: "Patil" } ],
__GONA: 8.5;
__GONA: 8.5;
__GONA: Blid: "
_id: ObjectId("64620647e7559fb9f261e3f9"),
1D: 103;
(firstname: 'Aishuarya', lastname: 'Pharande' ) ],
(GOA: 9,
(GOA: 9,
(Thune')
_id: ObjectId("6462052ce7559fb9f261e3f6"),
1D: 242;
Name: [{ firstname: "Kaveri", lastname: "Zanzane" } ],
Branch: 'CS',
GGA: 9.9,
Gity: 'Pane'
idents>
```

```
udents> db.students.find().sort({CGPA:1})
       _id: ObjectId("646205f7e7559fb9f261e3f8"),
ID: 102,
Name: [ { firstname: 'Shivani', lastname: 'Patil' } ],
Branch: 'MECH',
          id: ObjectId("6462052ce7559fb9f261e3f6"),
      _id: ObjectId("6462052ce7559fb0f261e3f6"),
1D: 242,
Rume: [ { firstname: 'Kaver1', lastname: 'Zanzane' } ],
Edward: C5',
EGWA: 95,
EGWA: 195,
E
    udents> db.students.aggregate([{$count:"City"}])
{ City: 4 } ]
       _id: ObjectId("646205f7e7559fb9f261e3f8"),
ID: 102,
      ID: 102,
Name: [ { firstname: "Shivani", lastname: 'Patil' } ],
Branch: "MCH",
CGPA: 8.5,
City: "Bolhi"
        TD: 103,
Name: [ { firstname: 'Aishwarya', lastname: 'Pharande' } ],
Branch: 'MECH',
COPA- 9.
       Name: [ { firstname: 'Kavori', lastname: 'Zanzane' } ],
GGA: 9,9
City: 'Pune'
      dents> db.students.aggregate([{$count:"City"}])
   { City: 4 } ]
tudents> db.students.aggregate([{$count:"Branch"}])
{ Branch: 4 } ]
tudents>
tudents> db.students.aggregate([{$group:{_id:"$Branch",CGPA:{$min:"$CGPA"}}}])
tudents> db.students.aggregate([{$group:{_id:"$Branch",CGPA:{$sum:1}}}])
   { _id: 'CS', CGPA: 2 }, { _id: 'MECH', CGPA: 2 } ]
tudents>
```