PRACTICAL-5

Name-Pradnya Tagad

ROLL NO.-L037

ADBMS

```
db["MovieDetails"].find()
 _id: '01001',
 city: 'AGAWAM',
 loc: [
   -72.622739,
   42.070206
 ],
  pop: 15338,
 state: 'MA'
}
{
 _id: '01002',
 city: 'CUSHMAN',
 loc: [
   -72.51565,
   42.377017
  ],
  pop: 36963,
  state: 'MA'
}
 _id: '01005',
 city: 'BARRE',
  loc: [
   -72.108354,
   42.409698
```

```
db.MovieDetails.find({"pop":{"$lte":20000}},{"_id":1})
 _id: '01008'
 _id: '01027'
```

```
db.MovieDetails.find(("pop":("$lte":30000,"$gt":10000)},{"_id":1})

{
        id: '91001'
}
{
        id: '91007'
}
{
        id: '01013'
}
{
        id: '01027'
}
{
        id: '01028'
}
{
        id: '01030'
}
{
        id: '01056'
}
{
        id: '01055'
```

```
db.MovieDetails.find(("pop": ("$gt": 30000), "loc.0": ("$gt": -72}), ("city": 1, "_id": 0))

{
    city: 'FITCHBURG'
}
{
    city: 'LEOMINSTER'
}
{
    city: 'FRAMINGHAM'
}
{
    city: 'MARLBOROUGH'
}
{
    city: 'NATICK'
}
{
    city: 'WOBURN'
}
{
    city: 'LAWRENCE'
}
{
    city: 'LAWRENCE'
}
{
    city: 'METHUEN'
}
}
```

```
db.MovieDetails.find({"state": {"$ne": "MA"}}, {"city": 1, "state": 1, "_id": 0})

{
    city: 'ASHAMAY',
    state: 'RI'
}
{
    city: 'BARRINGTON',
    state: 'RI'
}
{
    city: 'BLOCK ISLAND',
    state: 'RI'
}
{
    city: 'BRADFORD',
    state: 'RI'
}
{
    city: 'BRADFORD',
    state: 'RI'
}
{
    city: 'BRISTOL',
    state: 'RI'
}
{
    city: 'RI'
}
{
    city: 'RI'
}
{
    city: 'CHARLESTONN',
    state: 'RI'
}
```

```
db.MovieDetails.find({"state": {"$in": ["MA", "CA", "TX"]}}, {"_id": 0, "city": 1, "state": 1})
{
    city: 'AGAWAM',
    state: 'MA'
}
{
    city: 'CUSHMAN',
    state: 'MA'
}
{
    city: 'BARRE',
    state: 'MA'
}
{
    city: 'BELCHERTOWN',
    state: 'MA'
}
{
    city: 'BLANDFORD',
    state: 'MA'
}
{
    city: 'BLANDFORD',
    state: 'MA'
}
{
    city: 'BRIMFIELD',
    state: 'MA'
}
{
    city: 'BRIMFIELD',
    state: 'MA'
}
{
    city: 'BRIMFIELD',
    state: 'MA'
}
```

```
db.MovieDetails.find({"state": ("$in": ["MA", "CA", "TX"]}),{"_id": 0, "city": 1, "state": 1})
{
    city: 'AGAWAN',
    state: 'MA'
}
{
    city: 'CUSHMAN',
    state: 'MA'
}
{
    city: 'BARRE',
    state: 'MA'
}
{
    city: 'BELCHERTOWN',
    state: 'MA'
}
{
    city: 'BLANDFORD',
    state: 'MA'
}
{
    city: 'BLANDFORD',
    state: 'MA'
}
{
    city: 'BRIMFIELD',
    state: 'MA'
}
{
    city: 'BRIMFIELD',
    state: 'MA'
}
{
    city: 'CHESTER',
```

```
db.MovieDetails.find({
    "pop": {"$lt": 5000, "$ne": null}
},
{"_id": 0, "city": 1, "pop": 1})
{
    city: 'BARRE',
    pop: 4546
}
{
    city: 'BLANDFORD',
    pop: 1240
}
{
    city: 'BRIMFIELD',
    pop: 3706
}
{
    city: 'CHESTER',
    pop: 1688
}
{
    city: 'CHESTERFIELD',
    pop: 177
}
```

```
db.MovieDetails.count({"city": {"$type": "null"}})

db.movieDetails.find({"state": {"$all": ["MA", "CA"]}},{"_id": 0, "city": 1, "state": 1})

db.movieDetails.count({"state": {"$all": ["MA", "CA"]}},{"_id": 0, "city": 1, "state": 1})

db.movieDetails.count({"state": {"$all": ["MA", "CA"]}},{"_id": 0, "city": 1, "state": 1})

db.movieDetails.find({"state": {"$all": ["MA", "CA"]}}, {"_id": 0, "city": 1, "state": 1})

db.movieDetails.find({"state": {"$in": ["MA", "CA"]}}, {"_id": 0, "city": 1, "state": 1})

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