

NAME:-- INTESHAB ALAM

REG No.:-- RA2031241010094

WD ASSIGNMENT --- 4

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Current Mongosh Log ID: 615ad221019edcc8dccc62d6d
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Using MongoDB:      5.0.3
Using Mongosh:      1.0.7

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

-----
The server generated these startup warnings when booting:
  2021-10-02T21:02:10.719+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
test> use staff
switched to db staff
staff> db.dropDatabase()
{ ok: 1, dropped: 'staff' }
staff> use staff
already on db staff
staff> db.createCollection('staff_det')
{ ok: 1 }
staff> db.staff_det.insertOne({eid:123,name:'inte',dept:'CA'})
{ acknowledged: true,
  insertedId: ObjectId("615ad26469406f5fa26dfecf") }
staff> db.staff_det.insertMany([
  {eid:124,name:'alam',dept:'CA'},
  {eid:125,name:'vineet',dept:'CA'},
  {eid:126,name:'mishra',dept:'CA'},
  {eid:127,name:'harsh',dept:'CA'},
  {eid:128,name:'mani',dept:'MCA'},
  {eid:129,name:'tripathi',dept:'CA'},
  {eid:130,name:'aaa',dept:'B.Com'}])
{ acknowledged: true,
  insertedIds: {
    '0': ObjectId("615ad33269406f5fa26dfed0"),
    '1': ObjectId("615ad33269406f5fa26dfed1"),
    '2': ObjectId("615ad33269406f5fa26dfed2"),
    '3': ObjectId("615ad33269406f5fa26dfed3"),
    '4': ObjectId("615ad33269406f5fa26dfed4"),
    '5': ObjectId("615ad33269406f5fa26dfed5"),
    '6': ObjectId("615ad33269406f5fa26dfed6")
  } }
staff> db.staff_det.deleteOne({eid:123})
{ acknowledged: true, deletedCount: 1 }
staff>
```

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
{ acknowledged: true, deletedCount: 1 }
```

```
staff> db.staff_det.find()
```

```
[
  {
    _id: ObjectId("615ad33269406f5fa26dfed0"),
    eid: 124,
    name: 'alam',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed1"),
    eid: 125,
    name: 'vineet',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed2"),
    eid: 126,
    name: 'mishra',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed3"),
    eid: 127,
    name: 'harsh',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed4"),
    eid: 128,
    name: 'mani',
    dept: 'MCA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed5"),
    eid: 129,
    name: 'tripathi',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed6"),
    eid: 130,
    name: 'aaa',
    dept: 'B.Com'
  }
]
```

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```
staff> db.staff_det.find({}, {eid:1, name:1, _id:0})
```

```
[
  { eid: 124, name: 'alam' },
  { eid: 125, name: 'vineet' },
  { eid: 126, name: 'mishra' },
  { eid: 127, name: 'harsh' },
  { eid: 128, name: 'mani' },
  { eid: 129, name: 'tripathi' },
  { eid: 130, name: 'aaa' }
]
```

```
staff> db.staff_det.find({dept:"CA"})
```

```
[
  {
    _id: ObjectId("615ad33269406f5fa26dfed0"),
    eid: 124,
    name: 'alam',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed1"),
    eid: 125,
    name: 'vineet',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed2"),
    eid: 126,
    name: 'mishra',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed3"),
    eid: 127,
    name: 'harsh',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed5"),
    eid: 129,
    name: 'tripathi',
    dept: 'CA'
  }
]
```

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```
    name: 'harsh',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed5"),
    eid: 129,
    name: 'tripathi',
    dept: 'CA'
  }
]
staff> db.staff_det.find({dept:"CA"}).limit(5)
[
  {
    _id: ObjectId("615ad33269406f5fa26dfed0"),
    eid: 124,
    name: 'alam',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed1"),
    eid: 125,
    name: 'vineet',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed2"),
    eid: 126,
    name: 'mishra',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed3"),
    eid: 127,
    name: 'harsh',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed5"),
    eid: 129,
    name: 'tripathi',
    dept: 'CA'
  }
]
staff>
```

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`TypeError: db.staff_det is not a function`

`staff> db.staff_det.find({eid:{$gt:123}})`

```
[
  {
    _id: ObjectId("615ad33269406f5fa26dfed0"),
    eid: 124,
    name: 'ajam',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed1"),
    eid: 125,
    name: 'vineet',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed2"),
    eid: 126,
    name: 'mishra',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed3"),
    eid: 127,
    name: 'harsh',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed4"),
    eid: 128,
    name: 'mani',
    dept: 'MCA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed5"),
    eid: 129,
    name: 'tripathi',
    dept: 'CA'
  },
  {
    _id: ObjectId("615ad33269406f5fa26dfed6"),
    eid: 130,
    name: 'aaa',
    dept: 'B.Com'
  }
]
```

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mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
{
  _id: ObjectId("615ad33269406f5fa26dfed2"),
  eid: 126,
  name: 'mishra',
  dept: 'CA'
},
{
  _id: ObjectId("615ad33269406f5fa26dfed3"),
  eid: 127,
  name: 'harsh',
  dept: 'CA'
},
{
  _id: ObjectId("615ad33269406f5fa26dfed4"),
  eid: 128,
  name: 'mani',
  dept: 'MCA'
},
{
  _id: ObjectId("615ad33269406f5fa26dfed5"),
  eid: 129,
  name: 'tripathi',
  dept: 'CA'
},
{
  _id: ObjectId("615ad33269406f5fa26dfed6"),
  eid: 130,
  name: 'aaa',
  dept: 'B.Com'
}
]
staff> db.staff_det.find({$and:[{eid:{$gt:123}},{eid:{$lt:125}}]})
[
  {
    _id: ObjectId("615ad33269406f5fa26dfed0"),
    eid: 124,
    name: 'alam',
    dept: 'CA'
  }
]
staff> db.staff_det.find({dept:{$nin:["CA","MCA","B.Com"]}})
staff>
```

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