

LAB- 2

DATE:01/04/2024

Practice questions:

Output 1

```
mangosh mongodb+srv://cc X + v
test
Atlas atlas-50jt9w-shard-0 [primary] test> db.createCollection("Student")
{ ok: 1 }
Atlas atlas-50jt9w-shard-0 [primary] test> db.Student.insert({rollno:1,age:20,contactno:9854816655,email:"xyz@outlook.com"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("660a8396d2ceeb139ef22135") }
}
Atlas atlas-50jt9w-shard-0 [primary] test> db.Student.insert({rollno:10,age:21,contactno:6754816655,email:"qwert@outlook.com"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("660a83d6d2ceeb139ef22136") }
}
Atlas atlas-50jt9w-shard-0 [primary] test> db.Student.insert({rollno:11,age:20,contactno:8675496482,email:"abc@outlook.com"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("660a83f8d2ceeb139ef22137") }
}
Atlas atlas-50jt9w-shard-0 [primary] test> db.Student.update({rollno:10},{set:{email:"prakar@gmail.com"}});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-50jt9w-shard-0 [primary] test> |
```

Output 2

```
Atlas atlas-50jt9w-shard-0 [primary] test> db.Student.update({rollno:11},{set:{studname:"fen"}},{upsert:true});
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-50jt9w-shard-0 [primary] test> db.Student.find()
[
  {
    _id: ObjectId("660a8396d2ceeb139ef22135"),
    rollno: 1,
    age: 20,
    contactno: 9854816655,
    email: 'xyz@outlook.com',
```

Output 3

```
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.insert({_id:1,StudName:"MichelleJacintha",Grade:"VII",Hobbies:"InternetSurfing"});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{ acknowledged: true, insertedIds: { '0': 1 } }
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.update({_id:3,StudName:"AryanDavid",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
}
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find({StudName:"Aryan David"});
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find({}, {StudName:1,Grade:1,_id:0});
[
  { StudName: 'MichelleJacintha', Grade: 'VII' },
  { Grade: 'VII', StudName: 'AryanDavid' }
]
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find({Grade:{ $eq: 'VII' }}).pretty();
[
  {
    _id: 1,
    StudName: 'MichelleJacintha',
    Grade: 'VII',
    Hobbies: 'InternetSurfing'
  },
]
```

Output 4

```
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.count();
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
2
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find().sort({StudName:-1}).pretty();
[
  {
    _id: 1,
    StudName: 'MichelleJacintha',
    Grade: 'VII',
    Hobbies: 'InternetSurfing'
  },
  { _id: 3, Grade: 'VII', StudName: 'AryanDavid', Hobbies: 'Skating' }
]
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find({Hobbies :{ $in: ['Chess','Skating']}}).pretty ();
[
  { _id: 3, Grade: 'VII', StudName: 'AryanDavid', Hobbies: 'Skating' }
]
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find({StudName:/M/}).pretty();
[
  {
    _id: 1,
    StudName: 'MichelleJacintha',
    Grade: 'VII',
    Hobbies: 'InternetSurfing'
  }
]
```

Output 5

```
Atlas atlas-4p3eke-shard-0 [primary] test> db.Student.find({StudName:/e/}).pretty();
[
  {
    _id: 1,
    StudName: 'MichelleJacintha',
    Grade: 'VII',
    Hobbies: 'InternetSurfing'
  }
]
```