Lab 2

```
C:\Users\STUDENT>mongosh "mongodb+srv://cluster0.eapwb9b.mongodb.net/" --apiVersion 1 --username shravanth --password sh
ravanth
Current Mongosh Log ID: 660a770cd60a7c0091f73518
Connecting to:          mongodb+srv://<credentials>@cluster0.eapwb9b.mongodb.net/?appName=mongosh+2.0.0
Using MongoDB:          7.0.7 (API Version 1)
Using Mongosh:          2.0.0
mongosh 2.2.1 is available for download: https://www.mongodb.com/try/download/shell

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

Atlas atlas-si9wmn-shard-0 [primary] test> use myDB;
switched to db myDB
Atlas atlas-si9wmn-shard-0 [primary] myDB> db;
myDB
Atlas atlas-si9wmn-shard-0 [primary] myDB> show dbs;
sample_mflix  115.57 MiB
admin          280.00 KiB
local           29.62 GiB
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.createCollection("Student");
Uncaught:
SyntaxError: Unexpected character '"'. (1:20)

> 1 | db.createCollection("Student");
    |                     ^
  2 |

Atlas atlas-si9wmn-shard-0 [primary] myDB> db.createCollection("Student");
```

```
{ ok: 1 }
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Student.insert({_id:1,StudName:&quot;MichelleJacintha&quot;,Grade:&quot;VI
I&quot;,Hobbies:&quot;InternetS
Uncaught:
SyntaxError: Unexpected token (1:34)

> 1 | db.Student.insert({_id:1,StudName:&quot;MichelleJacintha&quot;,Grade:&quot;VII&quot;,Hobbies:&quot;InternetS
    |                                  ^
  2 |

Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Student.insert({id:1,name:"suhas",rollno:"223",age:18,contact:7547327288,e
mail:"suhas@gmail.com"})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("660a78fad60a7c0091f73519") }
}
Atlas atlas-si9wmn-shard-0 [primary] myDB> db;
myDB
Atlas atlas-si9wmn-shard-0 [primary] myDB> show dbs;
myDB            8.00 KiB
sample_mflix  115.57 MiB
admin          280.00 KiB
local           29.62 GiB
```

```
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Student.update({rollno: "223"}, {$set: {email: "suhas@example.com"}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Student.insert({id:2,name:"skanda",rollno:"212",age:18,contact:75473273388
,email:"sforskandy@gmail.com"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("660a7a68d60a7c0091f7351a") }
}
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Student.update({rollno: "212"}, {$set: {name: "sforrskandy"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.createCollection("Customers");
{ ok: 1 }
```

```
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.createCollection("Customers");
{ ok: 1 }
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.insertMany([
...     { Cust_id: 1, Acc_Bal: 1000.50, Acc_Type: "Savings" },
...     { Cust_id: 2, Acc_Bal: 5000.25, Acc_Type: "Checking" },
...     { Cust_id: 3, Acc_Bal: 7500.75, Acc_Type: "Savings" },
...     { Cust_id: 4, Acc_Bal: 300.00, Acc_Type: "Checking" },
...     { Cust_id: 5, Acc_Bal: 12000.30, Acc_Type: "Savings" }
... ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("660a7ad7d60a7c0091f7351b"),
    '1': ObjectId("660a7ad7d60a7c0091f7351c"),
    '2': ObjectId("660a7ad7d60a7c0091f7351d"),
    '3': ObjectId("660a7ad7d60a7c0091f7351e"),
    '4': ObjectId("660a7ad7d60a7c0091f7351f")
  }
}
Atlas atlas-si9wmn-shard-0 [primary] myDB> Student
ReferenceError: Student is not defined
Atlas atlas-si9wmn-shard-0 [primary] myDB> Student;
ReferenceError: Student is not defined
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.aggregate([
```

```
Atlas atlas-si9wmn-shard-0 [primary] myDB> Student
ReferenceError: Student is not defined
Atlas atlas-si9wmn-shard-0 [primary] myDB> Student;
ReferenceError: Student is not defined
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.aggregate([
...     {
...         $match: { Acc_Type: 'Z' }
...     },
...     {
...         $group: {
...             _id: '$Cust_id',
...             totalBalance: { $sum: '$Acc_Bal' }
...         }
...     },
...     {
...         $match: { totalBalance: { $gt: 6200 } }
...     }
... ])

Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.find().pretty()
```

```
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.find().pretty()
[
  {
    _id: ObjectId("660a7ad7d60a7c0091f7351b"),
    Cust_id: 1,
    Acc_Bal: 1000.5,
    Acc_Type: 'Savings'
  },
  {
    _id: ObjectId("660a7ad7d60a7c0091f7351c"),
    Cust_id: 2,
    Acc_Bal: 5000.25,
    Acc_Type: 'Checking'
  },
  {
    _id: ObjectId("660a7ad7d60a7c0091f7351d"),
    Cust_id: 3,
    Acc_Bal: 7500.75,
    Acc_Type: 'Savings'
  },
```

```
  {
    _id: ObjectId("660a7ad7d60a7c0091f7351d"),
    Cust_id: 3,
    Acc_Bal: 7500.75,
    Acc_Type: 'Savings'
  },
  {
    _id: ObjectId("660a7ad7d60a7c0091f7351e"),
    Cust_id: 4,
    Acc_Bal: 300,
    Acc_Type: 'Checking'
  },
  {
    _id: ObjectId("660a7ad7d60a7c0091f7351f"),
    Cust_id: 5,
    Acc_Bal: 12000.3,
    Acc_Type: 'Savings'
  }
]
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.aggregate([ { $match: { Acc_Type: 'Savings' } }, { $group: { _id
_id: '$Cust_id', totalBalance: { $sum: '$Acc_Bal' } } }, { $match: { totalBalance: { $gt: 6200 } } } ])
```

```
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.aggregate([ { $match: { Acc_Type: 'Savings' } }, { $group: { _id
_id: '$Cust_id', totalBalance: { $sum: '$Acc_Bal' } } }, { $match: { totalBalance: { $gt: 6200 } } } ])
[
  { _id: 5, totalBalance: 12000.3 },
  { _id: 3, totalBalance: 7500.75 }
]
Atlas atlas-si9wmn-shard-0 [primary] myDB> db.Customers.aggregate([
...     {
...         $group: {
...             _id: "$Cust_id",
...             minBalance: { $min: "$Acc_Bal" },
...             maxBalance: { $max: "$Acc_Bal" }
...         }
...     }
... ])
[
  { _id: 5, minBalance: 12000.3, maxBalance: 12000.3 },
  { _id: 4, minBalance: 300, maxBalance: 300 },
  { _id: 1, minBalance: 1000.5, maxBalance: 1000.5 },
  { _id: 2, minBalance: 5000.25, maxBalance: 5000.25 },
  { _id: 3, minBalance: 7500.75, maxBalance: 7500.75 }
]
```

```
_id: ObjectId('660a78fad60a7c0091f73519')
id: 1
name: "suhas"
rollno: "223"
age: 18
contact: 7547327288
email: "suhas@example.com"


_id: ObjectId('660a7a68d60a7c0091f7351a')
id: 2
name: "sforrskandy"
rollno: "212"
age: 18
contact: 75473273388
email: "sforskandy@gmail.com"
```

_id: ObjectId('660a7ad7d60a7c0091f7351b')
Cust_id: 1
Acc_Bal: 1000.5
Acc_Type: "Savings"

_id: ObjectId('660a7ad7d60a7c0091f7351c')
Cust_id: 2
Acc_Bal: 5000.25
Acc_Type: "Checking"

_id: ObjectId('660a7ad7d60a7c0091f7351d')
Cust_id: 3
Acc_Bal: 7500.75
Acc_Type: "Savings"

_id: ObjectId('660a7ad7d60a7c0091f7351e')
Cust_id: 4
Acc_Bal: 200