BDA LAB 3 - 1BM17CS086 SAIFUR RAHMAN

1.1. Create a database "Student" with the following attributes Rollno, Age, ContactNo, Email-Id.

```
> use Student;
< 'switched to db Student'
```

1.2. Insert appropriate values

1.3. Write a query to update Email-Id of a student with rollno 10.

```
> db.Student.update({"rollNo": 10}, {$set:{"emailId":"jenson.f@example.com"}});

< { acknowledged: 1,
   insertedId: null,
   matchedCount: 1,
   modifiedCount: 1,
   upsertedCount: 0 }</pre>
```

1.4. Replace the student name from "ABC" to "FEM" of rollno 11.

```
> db.Student.update({"rollNo": 11}, {$set:{"name": "FEM"}});

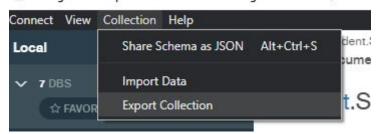
< { acknowledged: 1,
   insertedId: null,
   matchedCount: 1,
   modifiedCount: 1,
   upsertedCount: 0 }</pre>
```

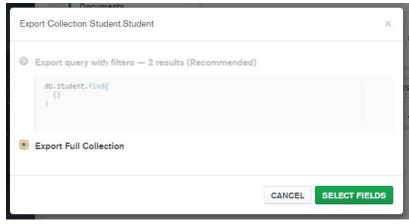
1.5. Export the created table into local file system

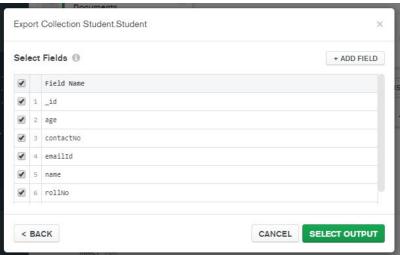
CLI:

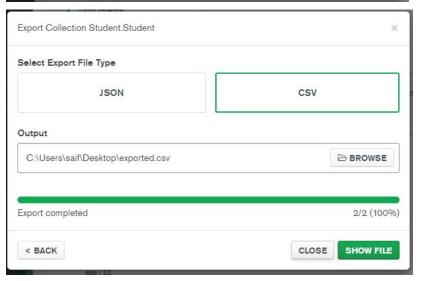
```
mongoexport -c Student -d Student -f _id,rollNo,name,age,contactNo,emailId
--type csv -o exported.csv
GUI:
```

MongoDB Compass - cluster0.d1akl.mongodb.net;27017/Studer











1.6. Drop the table

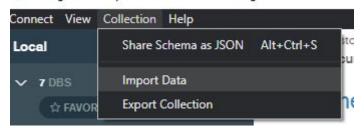
```
> db.Student.drop();
< true</pre>
```

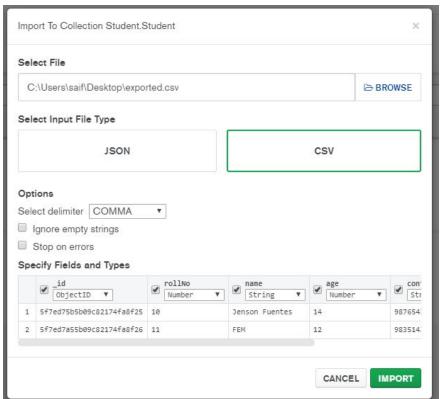
1.7. Import a given csv dataset from local file system into mongodb collection CLI:

```
mongoimport -d Student -c Student --type csv --file exported.csv --headerline
```

GUI:

MongoDB Compass - cluster0.d1akl.mongodb.net:27017/Cus





2.1. Create a collection by name Customers with the following attributes. Cust_id, Acc_Bal, Acc_Type

```
> db.createCollection("Customers");
< { ok: 1 }</pre>
```

2.2. Insert at least 5 values into the table

```
db.Customers.insertMany([
  {cust_id: 12, acc_bal: 2414, acc_type: 'Z'},
  {cust_id: 12, acc_bal: 952, acc_type: 'Y'},
  {cust_id: 13, acc_bal: 1240, acc_type: 'Z'},
  {cust_id: 13, acc_bal: 428, acc_type: 'Y'},
  {cust id: 14, acc bal: 3770, acc type: 'Z'}
  1);
        id: <Buffer 5f 7e de 4f 5b 09 c8 21 74 fa 8f 2c> },
     '1':
      { _bsontype: 'ObjectID',
        id: <Buffer 5f 7e de 4f 5b 09 c8 21 74 fa 8f 2d> },
      { bsontype: 'ObjectID',
        id: <Buffer 5f 7e de 4f 5b 09 c8 21 74 fa 8f 2e> },
      { bsontype: 'ObjectID',
        id: <Buffer 5f 7e de 4f 5b 09 c8 21 74 fa 8f 2f> },
     141:
      { bsontype: 'ObjectID',
        id: <Buffer 5f 7e de 4f 5b 09 c8 21 74 fa 8f 30> } } }
```

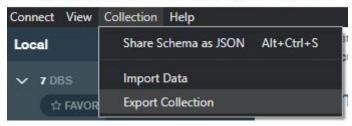
2.3. Write a query to display those records whose total account balance is greater than 1200 of account type 'Z' for each customer_id.

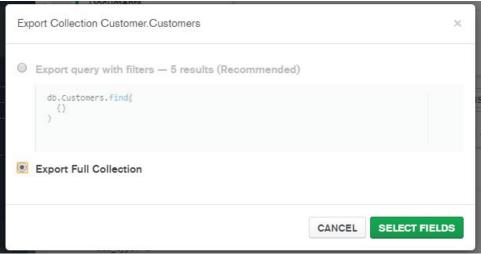
2.4. Determine Minimum and Maximum account balance for each customer id.

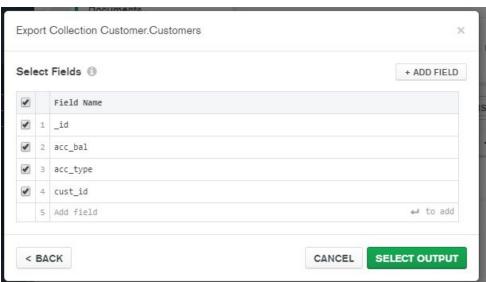
2.5. Export the created collection into local file system

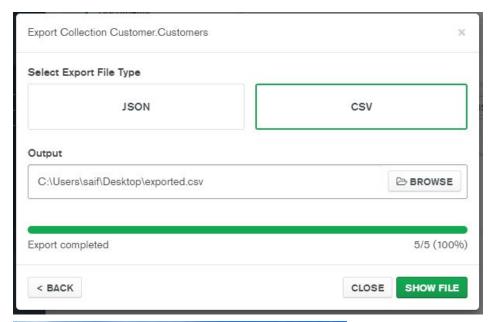
```
mongoexport -c Customers -d Customers -f _id,acc_bal,acc_type --type csv -o
exported.csv
GUI:
```

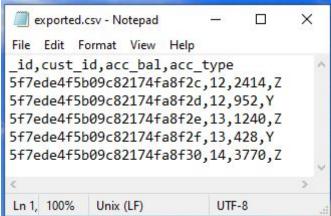
MongoDB Compass - cluster0.d1akl.mongodb.net:27017











2.6. Drop the table

```
> db.Customers.drop();
< true</pre>
```

2.7. Import a given csv dataset from the local file system into mongodb collection.

CLI:

mongoimport -d Customers-c Customers --type csv --file exported.csv --headerline

GUI:

MongoDB Compass - cluster0.d1akl.mongodb.net:27017/Cus

