

Name: Kedar Shenoy.

USN: IBM17CS041

@Shenoy

1) (i) use student

(ii) ~~db. stud~~

> db.createCollection ("details");

> db.details.insertMany ([

{

name : "Kedar",

roll : 45,

age : 20,

contact_no : "9036578910",

email_id : "kedarshenoy.cs17@bmsce.ac.in".

},

{ name : "ABC",

roll : 11,

age : 19

contact_no : "8765123581",

email_id : "ABC@gmail.com",

},

{

name : "John",

roll : 10,

age : 21,

contact_no : "9999555543"

email_id : "john@example.com"

},

]);

(iii) Query to update email id of roll 10.

```
> db.details.update ( { roll : 10 }, { $set : { email-id :  
  "johnsimp@example.com" } } );
```

(iv) Query to replace name from ABC to FEM of roll 11.

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

(v) Export the created file to local file.

```
> mongoexport --db = student --collection = details  
  --out = student-details.json --fields = "name, role, age  
  contactno, email-id" --type = csv.
```

(vi) Drop DB.

```
> db.dropDatabase();
```

(vii) Import.

```
> mongoimport --db = students --collection = details  
  --type = csv --file = student-details.csv.
```

2>
i) Create collection by name customers (cust-id, acc-bal, acc-type)

> db.createCollection ("customers");

(ii). Insert 3 documents

> db.customers.insertMany ([

{

cust-id : 1234,

acc-bal : 27000,

acc-type : "savings"

},

{

cust-id : 1235,

acc-bal : 15000,

acc-type : "current"

},

{

cust-id : 5689,

acc-bal : 100000,

acc-type : "current"

},

{

cust-id : 7890,

acc-bal : 75000,

acc-type : "savings"

},

]);

(iii) Query to show records with account balance greater than 1200 & account type 2.

```
> db.customers.find({ $and : [{ acc-bal : { $gt : 1200 } },
  { acc-type : "2" } ] })
```

(iv) Determine the min & max account balance for each customer id.

```
> db.customers.aggregate([
  {
    $group : {
      _id : "$cust-id",
```

```
> db.customers.aggregate([
  {
    $group : {
      _id : "$cust-id",
      min-bal : { $min : "$acc-bal" },
      max-bal : { $max : "$acc-bal" }
    }
  }
]);
```

(v) Export

```
mongoexport --collection=customers --db=lab-03
--fields="cust-id, acc-bal, acc-type" --type=csv
--out=customers.csv.
```

(vi) `db.customers.drop()`

(vii) Import

`mongoimport --collection = customers --db = bal-03`
`--type = csv --file = customers.csv --fields = "cust-id, acc-bal,`
`acc-type"`