Lab 3 IBM17CS049 8/10/20

I) Write Up

1) Create database Student with attributes Roll, Age, No, Email

use Student
db
db.createCollection("Student")

2) Insert values

db.Student.insert({"RollNo:"10","Name":"ABC","Age":"21","Contact":"9900549511","Email":"1@gmail.com"})

3) Write to update Email of student with Roll : 10.

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db.Student.update({"Roll":10},{$set:{"Email":"1@yah.com"}})

4) Replace name ABC to FEM of roll 11

db.Student.replaceOne({"name":"ABC"},{"Name":"FEM"})

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5) Export to local file system

mongoexport --collection=Student --db=Student --out=temp.csv

6) Drop the table

db.Student.drop()

1) Import a given csv from local to mongoCollection

mongoimport --type=csv --db=Student --collection=Student --file=Student.csv --headerline

II) 1) Create Collection Customer with customer_id, Acc_type, Acc_bal attributes

use Bank; db; db.createCollection("Customer")

2) Insert 5 values

db.Customer.insert({cId:1, curr_bal:1500, acctyp:"z", acc_bal:[100,1400,1600,1500]}) x 5

3) Display records with bal>1200 & acctype=Z

db.Customer.find({curr_bal:{$gt:1200}, acc_type:"Z"})

4) Determine Min & Max acc balance

db.Customer.aggregate([{$project:{minBalance:{$min:"$acc_bal"}, maxBalance:{$max:"$acc_bal"}}}])

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	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

5) Export to a local file

mongoexport --db=bank. --collection=customer --out=t.csv.

6) Drop the table

db.Customer.drop()

7) Import a given csv from local into collection

mongoimport --db=bank. --collection:customer

--type=csv. --file=bank.csv --headerline.