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C-3 Lab 3

Date 21/9/20
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1. Perform the following DB operations using Mongo DB

i) Student [Roll No, Name, Age, Contact No, EmailID]

ii) db.Student.insert({RollNo:10, Name: "BED", Age:21, Contact No: "9987135426", EmailID: "bed@mail.com"});
db.Student.insert({RollNo:11, Name: "ABC", Age:21 Contact No: "8732563462", EmailID: "abc@mail.com"});

iii) db.Student.update({RollNo:10}, {$set: {Email: "dbe@mail.com"}});

iv) db.Student.update({RollNo:11}, {$set: {Name: "FEM"}});

v) ~~mongoexport --db reporting --out students.json~~

vi) db.Student.drop()

vii) ~~mongoimport --db test~~

v) Mongoexport --db StudentDB --collection Student --out Student.csv

vii) Mongoimport --db StudentDB --collection Student_New --file Student.csv

2. Perform the following DB operations using MongoDB

i) Customers [cust_id, Acc_Bal, Acc_Type]
db.createCollection("Customers");

ii) db.Customers.insertMany([{cust_id:1, Acc_Bal: 4000, Acc_Type: "Savings"}, {cust_id:2, Acc_Bal:500, Acc_Type: "Savings"}, {cust_id: 3, Acc_Bal:10000, Acc_Type: "Current"}, {cust_id: 4, Acc_Bal:1500, Acc_Type: "Current"}, {cust_id: Acc_Bal:2000, Acc_Type: "Current"}]);

iii) db.Customers.find({"Acc_Bal": {$gte:1200}, Acc_Type: "Savings"});

iv) db.Customers.aggregate([{$group: {"_id": "$custid", "max_bal": {$max: "$Acc_Bal"}, "min_bal": {$min: "$Acc_Bal"}}}]);

v) mongoexport -d CustomerDB -c Customers
--type=csv -o Customers.csv

vi) db.Customers.drop()

vii) mongoimport -d CustomerDB -c Customers
--type csv --file Customers.csv --headerline