Lab-3

&①.

use College

> db.createCollection("students")

> db.students.insert({ _id:1 , rollno:101 ,
                        age:20 , contactno:990248159
                        email: "hey@gmail.com"
                        })

db.students.insert({ _id:2 , rollno:102 ,
                     age:19 , contactno:890145678
                     email: "akash@gmail.com"
                     })

● update email id of student with rollno 10
  > db.students.update({ rollno:10 },
                        { $set : { emailid:"xyz@yahoo.com"}
                        });

● Replace the student name from "ABC" to "FEM"
  of rollno 11.
  > db.students.update({ name:"ABC", rollno:11 },
                        { $set : { name : "FEM"} }
                        );

● export created ~~file~~ table into local system.

mongoexport --db ~~test~~ college --collection students --~~csv~~
~~--fieldfile d:\fields.txt~~ --out d:\output.~~txt~~ csv

- drop table

    ```
    db. students.drop()
    ```

- import a given csv dataset from local FS into mongodb collection.

    ```
    mongoimport --db College Students-output.csv
    ```

02 use company.

> `db.createCollection ("Customers")`

>
```
db. Customers. insertMany ([{cust-id : 1000 , _id := 1,
                    Acc-bal : 1005, Acc_Type :"Z"},
                { _id : 2 , cust-id : 1001 ,
                    Acc bal : 10000 , Acc_Type : "Z"},
                { id : 3, cust id : 1002 ,
                    Acc-bal : 1500 , Acc -Type : "S"},
                { id : 4, cust id : 1003 ,
                    Acc-bal : 900 , AccType : "S"},
                { id : 5 , cust-id : 1004 ,
                    Acc-bal : 1550 , AccType : "Z" }].
                );
```

- Balance > 1200 of account Type Z for each customer_id.

```
db. Customers. find ( { Acc_bal : { $gt : 1200 },
                        Acc_Type : { $eq : "Z" } },
                      { } ) . pretty () ;
```

- Determine minimum & maximum account balance for all customer_ids.

```
db. Customers. aggregate ( [
                    {
                        $group : {
                            _id : "$cust_id",
                            minBal : {
                                $min : "$Acc_bal" }
                        }
                    }
                 ]
               )
```

```
db. Customers aggregate ( [
                    {
                        $group : {
                            _id : "$cust_id",
                            maxBal : {
                                $max : "$Acc_Bal" }
                        }
                    }
                 ]
               )
```

- Mongoexport --db company --collection
  customers --out D:\output.csv

- db.customers.drop()

- mongoimport --db company D:\output.csv