//Part-A

//1

db.Student.updateOne({name:"John"},{$set:{age:31}})

//2

db.Student.updateMany({city:"New York"},{$set:{city:"New Jersey"}})

//3

db.Student.updateMany({age : {$gt:35}},{$set:{isActive:”false”}})

//4

db.Student.updateMany({},{$inc:{age:1}})

//5

db.Student.updateMany({name:"Eva"},{$set:{name:"Cambridge"}})

//6

db.Student.updateMany({name:'Sophia'},{$set:{isActive:false}})

//7

db.Student.updateMany({age:{$lt:30}},{$set:{city:'San Diego'}})

//8

db.Student.updateMany({},{$rename:{age:'years'}})

//9

db.Student.updateMany({name:'Nick'},{$set:{isActive:true}})

//10

db.Student.updateMany({},{$set:{country:'USA'}})

//11

db.Student.updateMany({name:'David'},{$set:{city:'Orlando'}})

//12

db.Student.updateMany({},{$mul:{years:2}})

//13

db.Student.updateMany({name:'Tom'},{$unset:{city:""}})

//14

db.Student.updateMany({years:{$gt:30}},{$set:{premiumUser:true}})

//15

db.Student.updateMany({name:'Jane'},{$set:{isActive:true}})

//16

db.Student.updateMany({name:'Lucy'},{$set:{isActive:false}})

//17

db.Student.deleteOne({name:'Nick'})

//18

db.Student.deleteMany({isActive:false})

//19

db.Student.deleteMany({city:'New York'})

//20

db.Student.deleteMany({years:{$gt:35}})

//21

db.Student.deleteMany({name:'Olivia'})

//22

db.Student.deleteMany({years:{$lt:25}})

//23

db.Student.deleteOne({isActive:true})

//24

db.Student.deleteMany({city:'Los Angeles'})

//25

db.Student.deleteMany({city: {$exists: false}})

//26

db.Student.updateMany({},{$rename:{city:'location'}})

//27

db.Student.updateMany({name:'John'},{$rename:{name:'Fullname'}})

//28

db.Student.updateMany({},{$rename:{isActive:'status'}})

//29

db.Student.updateMany({city:'San Francisco'},{$rename:{age:'yearsOld'}})

//30

db.createCollection('Employee', {

capped: true,

size: 5120,

max: 100,

validator: {

$jsonSchema: {

bsonType: 'object',

required: ['Ecode', 'Ename'],

properties: {

Ecode: {

bsonType: 'int',

description: 'Ecode must be a int and is required'

},

Ename: {

bsonType: 'string',

description: 'Ename must be an string and is required'

},

Age: {

bsonType: 'int',

description: 'Age must be a int and is required'

},

City: {

bsonType: 'string',

description: 'City must be an string and is required'

}

}

}

}

})

db.Employee.insertMany([

{ Ecode: 1, Ename: 'John' },

{ Ecode: 2, Ename: 'Jane', Age: 25, City: 'Los Angeles' },

{ Ecode: 3, Ename: 'Tom', Age: 35 },

{ Ecode: 4, Ename: 'Lucy', Age: 28, City: 'San Francisco', isActive: true },

{ Ecode: 5, Ename: 'Dino', Age: 40, City: '' },

])