Group B Practical No. 1

Basic Queries: CRUD operation

Design and Develop MongoDB Queries using CRUD operations. (Use CRUD operations, SAVE method, logical operators etc.).

db.students.insertMany([{id: 1, name: "Shaunak", age: 20, department: "Computer Engineering", courses: {}}, {id: 2, name: "Pranav", age: 20, department: "Electrical Engineering"}])

db.students.find()

**OUTPUT:**

{

\_id: ObjectId('68cbbe41bde7dfc2dc331778'),

id: 1,

name: 'Shaunak',

age: 20,

department: 'Computer Engineering',

courses: {}

}

{

\_id: ObjectId('68cbbe41bde7dfc2dc331779'),

id: 2,

name: 'Pranav',

age: 20,

department: 'Electrical Engineering'

}

db.students.find({department: "Electrical Engineering"})

**OUTPUT:**

{

\_id: ObjectId('68cbbe41bde7dfc2dc331779'),

id: 2,

name: 'Pranav',

age: 20,

department: 'Electrical Engineering'

}

db.students.find({}, {name: 1, department: 1})

**OUTPUT:**

{

\_id: ObjectId('68cbbe41bde7dfc2dc331778'),

name: 'Shaunak',

department: 'Computer Engineering'

}

{

\_id: ObjectId('68cbbe41bde7dfc2dc331779'),

name: 'Pranav',

department: 'Electrical Engineering'

}

db.students.updateOne({id: 1}, {$set: {age: 21, department: "AI\_DS"}})

**OUTPUT:**

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

db.students.find({id: 1})

**OUTPUT:**

{

\_id: ObjectId('68cbbe41bde7dfc2dc331778'),

id: 1,

name: 'Shaunak',

age: 21,

department: 'AI\_DS',

courses: {}

}

db.students.updateMany({}, {$set: {college: "AISSMS IOIT"}})

**OUTPUT:**

{

acknowledged: true,

insertedId: null,

matchedCount: 2,

modifiedCount: 2,

upsertedCount: 0

}

db.students.find()

**OUTPUT:**

{

\_id: ObjectId('68cbbe41bde7dfc2dc331778'),

id: 1,

name: 'Shaunak',

age: 20,

department: 'Computer Engineering',

courses: {},

college: 'AISSMS IOIT'

}

{

\_id: ObjectId('68cbbe41bde7dfc2dc331779'),

id: 2,

name: 'Pranav',

age: 20,

department: 'Electrical Engineering',

college: 'AISSMS IOIT'

}

db.students.deleteOne({id: 1})

**OUTPUT:**

{

acknowledged: true,

deletedCount: 1

}

db.students.deleteMany({college: "AISSMS IOIT"})

**OUTPUT:**

{

acknowledged: true,

deletedCount: 1

}

db.students.find()

{}