MongoDB Queries: Design and Develop MongoDB Queries using CRUD operations.

Create collection “student” and

1. Insert entry of 10 or more students.

2. select all documents from the collection &quot;student&quot; which satisfying the following condition -

a.  gender of student is male and

b. class of the student is TE A or

c. grd\_point of the student is greater than equal to 31 with comparison operator.

3. Select such a documents from the collection &quot;student” who belongs to “Bangalore” and whose age is less

than equal to 19.

4. Update course to “MCA” from collection “student” whose first name is “ Bhakti”

5. Delete the document from collection student where age is “18” and gender is “ male”.

6. Delete the document from collection student where last name is Jadhav and belongs to class TE B.

7. Make statement with nor and other arithmetic operator.

8. Use save method

ANS :=

1

db.student.insertMany([

{ firstName: "John", lastName: "Doe", age: 20, gender: "male", class: "TE A", grd\_point: 35, city: "Mumbai", course: "BSc" },

{ firstName: "Jane", lastName: "Smith", age: 19, gender: "female", class: "TE B", grd\_point: 28, city: "Bangalore", course: "BCA" },

{ firstName: "Sam", lastName: "Brown", age: 18, gender: "male", class: "TE A", grd\_point: 30, city: "Delhi", course: "BBA" },

{ firstName: "Alice", lastName: "Johnson", age: 21, gender: "female", class: "TE B", grd\_point: 33, city: "Bangalore", course: "BCom" },

{ firstName: "Bhakti", lastName: "Patel", age: 22, gender: "female", class: "SE A", grd\_point: 40, city: "Mumbai", course: "BSc" },

{ firstName: "Raj", lastName: "Kumar", age: 20, gender: "male", class: "TE C", grd\_point: 29, city: "Chennai", course: "BCA" },

{ firstName: "David", lastName: "White", age: 18, gender: "male", class: "TE A", grd\_point: 31, city: "Pune", course: "BCom" },

{ firstName: "Aditi", lastName: "Sharma", age: 17, gender: "female", class: "TE B", grd\_point: 26, city: "Delhi", course: "BSc" },

{ firstName: "Vikas", lastName: "Jadhav", age: 19, gender: "male", class: "TE B", grd\_point: 25, city: "Mumbai", course: "BCA" },

{ firstName: "Riya", lastName: "Kapoor", age: 23, gender: "female", class: "TE A", grd\_point: 36, city: "Bangalore", course: "BCom" }

])

2

db.student.find({ $and: [ { gender: "male" }, { $or: [ { class: "TE A" }, { grd\_point: { $gte: 31 } } ] } ] })

3

db.student.find({ city: "Bangalore", age: { $lte: 19 } })

4

db.student.updateOne({ firstName: "Bhakti" }, { $set: { course: "MCA" } })

5

db.student.deleteOne({ age: 18, gender: "male" })

6

db.student.deleteOne({ lastName: "Jadhav", class: "TE B" })

7

db.student.find({ $nor: [ { grd\_point: { $gte: 31 } }, { class: "TE A" } ] })

8

db.student.save({ \_id: ObjectId("existing\_id\_if\_updating"), firstName: "Ravi", lastName: "Patil", age: 21, gender: "male", class: "SE A", grd\_point: 29, city: "Pune", course: "MCA" })