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 female or

b. Class of the student is TE B and

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

3. Update age to 20 from collection “student” whose first name is “ Riyansh”

4. Update or save the city to nagpur and State to MH whose last name is “soniminde”

5. Students have cancelled admission from the college who is belongs to state “KA”.

6. Delete the document from collection student where First name is Evanshika and age is less than 18.

7. Make statement with nor and other arithmetic operator.

ANS :=

1 db.student.insertMany([{ firstName: "Riyansh", lastName: "Sharma", age: 19, gender: "male", class: "TE A", grd\_point: 28, city: "Pune", state: "MH", course: "BCA" }, { firstName: "Aarav", lastName: "Mehta", age: 21, gender: "male", class: "TE B", grd\_point: 31, city: "Mumbai", state: "MH", course: "BBA" }, { firstName: "Evanshika", lastName: "Khan", age: 17, gender: "female", class: "TE A", grd\_point: 29, city: "Bangalore", state: "KA", course: "BCom" }, { firstName: "Sara", lastName: "Soniminde", age: 23, gender: "female", class: "TE B", grd\_point: 34, city: "Nagpur", state: "MH", course: "BSc" }, { firstName: "Neha", lastName: "Sinha", age: 20, gender: "female", class: "TE C", grd\_point: 27, city: "Delhi", state: "DL", course: "BCA" }, { firstName: "Laksh", lastName: "Gupta", age: 18, gender: "male", class: "TE B", grd\_point: 30, city: "Chennai", state: "TN", course: "BCom" }, { firstName: "Anaya", lastName: "Kapoor", age: 22, gender: "female", class: "TE B", grd\_point: 32, city: "Pune", state: "MH", course: "BBA" }, { firstName: "Zara", lastName: "Ali", age: 20, gender: "female", class: "SE A", grd\_point: 25, city: "Delhi", state: "DL", course: "BSc" }, { firstName: "Yash", lastName: "Patel", age: 19, gender: "male", class: "SE C", grd\_point: 24, city: "Bangalore", state: "KA", course: "BCA" }, { firstName: "Rohan", lastName: "Choudhary", age: 23, gender: "male", class: "TE A", grd\_point: 33, city: "Mumbai", state: "MH", course: "BBA" }])

2

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

3

db.student.updateOne({ firstName: "Riyansh" }, { $set: { age: 20 } })

4

db.student.updateOne({ lastName: "Soniminde" }, { $set: { city: "Nagpur", state: "MH" } }, { upsert: true })

5

db.student.deleteMany({ state: "KA" })

6

db.student.deleteOne({ firstName: "Evanshika", age: { $lt: 18 } })

7

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