MONGODB

>Basic Questions

Dataset – Students

"\_id" : 1,

"std\_name" : "Mukesh",

"Gender" : "Male",

"class" : "VI",

"age" : 11,

"grd\_point" : 33

"\_id" : 2,

"std\_name" : "Dechamma",

"Gender" : "Female",

"class" : "VI",

"age" : 13,

"grd\_point" : 30

"\_id" : 3,

"std\_name" : "Akash",

"Gender" : "Male",

"class" : "V",

"age" : 14,

"grd\_point" : 35.1257

"\_id" : 4,

"std\_name" : "Geetha",

"Gender" : "Female",

"class" : "X",

"age" : 17,

"grd\_point" : 36.2514

"\_id" : 5,

"std\_name" : "Bhomika",

"Gender" : "Female",

"class" : "X",

"age" : 19,

"grd\_point" : 35.5201

>Using Comparison Operator perform the following questions

1.Display Student Details Where Age>17

db.students.find({ age: { $gt: 17 } }

Output:

2.Display Student Details Where Age>=25

db.students.find({ age: { $gte: 25 } })

Output:

3.Demonstrate Use of in Operation Along with in MongoDB with 2 Array Values

db.students.find({ class: { $in: [“VI”, “X”] } });

Output:

4. Display Student Details Where Age<25

db.students.find({ age: { $lt: 25 } })

Output:

5.Display Student Details Where Age<=20

db.students.find({ age: { $lte: 20 } })

Output:

>Intermediate

Dataset

"\_id" : 1,

name:"Kavana",

"sem" : 1,

"marks" : [ 70, 87, 90 ]

"\_id" : 2,

name:"Ayaan Sharief",

"sem" : 2,

"marks" : [ 90, 77, 80 ]

"\_id" : 3,

name:"Varsha",

"sem" : 3,

"marks" : [ 83, 67, 95 ]

"\_id" : 4,

name:"Shifa Banu",

"sem" : 4,

"marks" : [ 75, 81, 99 ]

>Using $addToSet operator in document in Mongodb

1.Query to Append c And d Letters To Array Letters Whose Id=1 Using updateOne and $addto set

db.stude.updateOne(

{ \_id: 1 },

{ $addToSet: { letters: { $each: [“c”, “d”] } } }

)

Output:

2. Query to Append M and N Letters to Array Letters Using updateMany And $addToSet

db.stude.updateMany(

{},

{ $addToSet: { letters: { $each: ["M", "N"] } } }

)

Output:

3.Query to Append 100 to End of Array Using $addToSet Where Name=”Shifa Banu”

db.stude.updateOne(

{ name: “Shifa Banu” },

{ $addToSet: { marks: 100 } }

)

4.Query To Append 100 To End of Array Using For All Students Using updateMany and $ addToSet

Db.stude.updateMany(

{},

{ $addToSet: { marks: 100 } }

)

Output:

To check the Dataset which is modified bu above operations

db.stude.find();

Output: