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:

```
s\playground-1.mongodb.js 1 • D 🕨 🛄 …
    db.students.insertOne({
       _id: 4,
std_name: "Geetha",
Gender: "Female",
class: "X",
                                                                                                                                                                               "_id": 2,
"std_name": "Dechamma",
                                                                                                                                                                               "Gender": "Female",
"class": "VI",
        grd_point: 36.2514
                                                                                                                                                                               "age": 25,
"grd_point": 30
                                                                                                                                                                        {
    "_id": 3,
    "std_name": "Akash",
    "Gender": "Male",
    "class": "V",
    ".ce": 20,
    ".s. 125/
       _id: 5,
std_name: "Bhomika",
       Gender: "Female",
class: "X",
                                                                                                                                                                               "age": 20,
"grd_point": 35.1257
      age: 23,
grd_point: 35.5201
                                                                                                                                                                        "_id": 4,
    "std_name": "Geetha",
    "Gender": "Female",
    "class": "X",
    "age": 30,
    " 36,2514
db.students.find({ age: { $gt: 17 } })|
db.students.find({ age: { $gte: 25 } })
db.students.find({ class: { $in: ["VI", "X"] } });
db.students.find({ age: { $lt: 25 } })
db.students.find({ age: { $lte: 20 } })
                                                                                                                                                                              "age": 30,
"grd_point": 36.2514
                                                                                                                                                                                               Ln 47, Col 39 (38 selected) Spaces: 4 UTF-8 CRLF {} JavaScript
```

2. Display Student Details Where Age>=25

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

3.Demonstrate Use of in Operation Along with in MongoDB with 2 Array Values
db.students.find({ class: { \$in: ["VI", "X"] } });

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 } })

```
## Description of the company in the company of the
```

>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"] } } }
)
```

Query to Append M and N Letters to Array Letters Using updateMany And \$addToSet db.stude.updateMany(

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

```
### Action of Control of Control
```

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 } }
```

To check the Dataset which is modified bu above operations db.stude.find();

```
JS use studentdb c\xampp\htdocs\playground-2.mongodb.js 1 • D III ···
                                                                                                      {
    "letters": [
name: "Ayaan Sharief",
sem : 2,
marks : [ 90, 77, 80 ]},
                                                                                                        (
"_id": 3,
"name": "Varsha",
"sem": 3,
"marks": [
name: "Varsha",
sem : 3,
marks : [83, 67, 95]},
_id : 4,
name:"Shifa Banu",
                                                                                                          95,
100
sem : 4,
marks : [75, 81, 99 ]}]);
db.stude.updateOne(
  { _id: 1 },
{ $addToSet: { letters: { $each: ["c", "d"] } } }
db.stude.updateMany(
                                                                                                      {
"_id": 4,
"_sma": "Shifa Banu",
  {},
{ $addToSet: { letters: { $each: ["M", "N"] } } }
                                                                                                        "name": "S
                                                                                                         "marks": [
 { name: "Shifa Banu" },
{ $addToSet: { marks: 100 } }
                                                                                                         99,
100
db.stude.updateMany(
db.stude.find();
                                                                                                                   Ln 38, Col 2 (18 selected) Spaces: 4 UTF-8 CRLF () JavaScript 😝 🚨
       JS use studentdb c\xampp\htdocs\playground-2.mongodb.js 1 • D III ···
{_id : 2,
name:"Ayaan Sharief",
sem : 2,
marks : [ 90, 77, 80 ]},
                                                                                                        "_id": 3,
"name": "Varsha",
                                                                                                         "sem": 3,
"marks": [
sem : 3,
marks : [83, 67, 95 ]},
_id : 4,
name:"Shifa Banu",
                                                                                                          95,
100
sem : 4,
marks : [75, 81, 99 ]}]);
db.stude.updateOne(
    { _id: 1 },
    { $addToSet: { letters: { $each: ["c", "d"] } } }
                                                                                                     {
    "_id": 4,
    "name": "Shifa Banu",
    "sem": 4,
    "sexks": [
db.stude.updateMany(
   {},
{ $addToSet: { letters: { $each: ["M", "N"] } } }
  100
db.stude.updateMany(
{},

?{ $addToSet: { marks: 100 } }
db.stude.find();
                                                                                                                    Ln 38, Col 2 (18 selected) Spaces: 4 UTF-8 CRLF {} JavaScript
```