

10/4/24

Date ___/___/___
Page _____

Lab 3

1) Adding an element into array

db.createCollection('blogPosts');

db.blogPosts.insertOne({id: 1, "title": "First Blog Post", "comments": [{"user": "Alice", "text": "Great Post"} & {"user": "Bob", "text": "I enjoyed reading"}] &&&});

db.blogPosts.updateOne({id: 1}, {\$push: {"comments": {"user": "Charlie", "text": "nice work"} &&&});

2 Display second element

db.blogPosts.find({id: 1}, {"comments": 1}, {"id": 0}).

db.blogPosts.find({}, {"comments": {\$slice: [1, 1]} &&});

3 Display size of the array

~~db.blogPosts.aggregate({\$match: {"id": 1}, {\$project: {"number of comments": {\$size: "comments"} &&&}})~~

db.blogPosts.aggregate({\$project: {"comments": 1, "size": {\$size: "comments"} &&&});

4. Display first two elements of array

```
db.blogPost.find ({ "id" : 1 }, { "comments" :  
  { $slice : 2 }, "_id" : 0 })
```

5. update the document with id 4 & replace the element present in 1st index position of the array with another array

```
db.blogPosts.update One ({ "id" : 4, { $set :  
  { "comments" : 0 } : [ { "user" : "Jane"  
    "text" : "update comment" } ] } })
```

~~o/p~~