LAB:3

Create a collection by the name blogPosts and it has 3 fields id, title and comments. In the collection the comments field is an array which consists of user details. Each collection consists of two user details inside the comments array- user name and text Demonstrate the following

- 1. Adding an element into array
- 2. Display second element
- 3. Display size of the array
- 4. Display first two elements of the array
- 5. Update the document with id 4 and replace the element present in 1st index position of the array with another array

```
Atlas atlas-12eb3b-shard-0 [primary] MY_DB> db.blogPosts.update( { _id:1 }, { Spush: { comments: { userName: "John", text: "This is a new comment." } } } )

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

{ acknowledged: true, insertedId: null, matchedcount: 1, modifiedCount: 1, upsertedCount: 0 }

Atlas atlas-12eb3b-shard-0 [primary] MY_DB> []
```

```
Atlas atlas-12eb3b-shard-0 [primary] MY_DB> db.blogPosts.aggregate([
... { Sunwind: "Scomments" }, // Unwind the comments array
... { Sproject: { _id: 0, commentText: "Scomments.text" } } // Project only the text field
... ])
[

{ commentText: 'Great article!' },
{ commentText: 'Looking forward to more content.' },
{ commentText: 'This is a new comment.' },
{ commentText: 'Very informative.' },
{ commentText: 'Helped me a lot!' },
{ commentText: 'I have a question.' },
{ commentText: 'This is exactly what I needed!' }

Atlas atlas-12eb3b-shard-0 [primary] MY_DB> []
```

```
Atlas atlas-12eb3b-shard-0 [primary] MY_DB> db.blogPosts.aggregate([
... { $project: { commentCount: { $size: "$comments" } } }
   { _id: 1, commentCount: 3 },
  { _id: 2, commentCount: 2 }, { _id: 3, commentCount: 2 }
Atlas atlas-12eb3b-shard-0 [primary] MY_DB>
Atlas atlas-12eb3b-shard-0 [primary] MY_DB> db.blogPosts.aggregate([
... { $project: { firstTwoComments: { $slice: ["$comments", 2] } } }
[
       id: 1,
      firstTwoComments: [
         { userName: 'Alice', text: 'Great article!' }, { userName: 'Bob', text: 'Looking forward to more content.' }
   },
{
       id: 2,
     _td. 2,
firstTwoComments: [
    { userName: 'Charlie', text: 'Very informative.' },
    { userName: 'David', text: 'Helped me a lot!' }
   },
{
       id: 3,
      firstTwoComments: [
        { userName: 'Eve', text: 'I have a question.' }, { userName: 'Frank', text: 'This is exactly what I needed!' }
Atlas atlas-12eb3b-shard-0 [primary] MY DB>
Atlas atlas-12eb3b-shard-0 [primary] MY_DB> db.blogPosts.update( { _id: 3 }, { sset: { "comments.1": { userName: "Alice", text: "Replaced comment." } } } )
 acknowledged: true,
insertedId: null,
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0
Átlas atlas-12eb3b-shard-0 [primary] MY_DB> [
```