

1. Create a Database named 'MYWall'

```
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> use MYWall
switched to db MYWall
```

2. Create two collections named 'user' and 'post'

```
> db.createCollection("user")
{ "ok" : 1 }
> db.createCollection("post")
{ "ok" : 1 }
> show collections
post
user
```

3. Insert some post related information like post_id, title, description , posted_by, comments, created_at etc...
4. Comments should be an array of objects which has comment_id, message, timestamp

```
Terminal
File Edit View Search Terminal Help
> db.post.insertMany([
...   "_id" : ObjectId("5cb59745c7f6ba71a9df118a"),
...   "post_id" : 1,
...   "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
...   "description" : "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rer
um est autem sunt rem eveniet architecto",
...   "posted_by" : 1,
...   "created_at" : "Tue Apr 16 2019 14:20:13 GMT+0530 (IST)",
...   "comments" : [
...     {
...       "comment_id" : 1,
...       "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\nntempora quo necessitatibus\ndolor quam autem quasi\nreiciendi
s et nam sapiente accusantium"
...     }
...   ]
... }
... {
...   "_id" : ObjectId("5cb59795c7f6ba71a9df118b"),
...   "post_id" : 2,
...   "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
...   "description" : "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rer
um est autem sunt rem eveniet architecto",
...   "posted_by" : 2,
...   "created_at" : "Tue Apr 16 2019 14:21:33 GMT+0530 (IST)",
...   "comments" : [
...     {
...       "comment_id" : 1,
...       "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\nntempora quo necessitatibus\ndolor quam autem quasi\nreiciendi
s et nam sapiente accusantium",
...       "timestamp" : "Tue Apr 16 2019 15:24:56 GMT+0530 (IST)"
...     }
...   ]
... }
... {
...   "_id" : ObjectId("5cb597b0c7f6ba71a9df118c"),
...   "post_id" : 3,
...   "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
...   "description" : "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rer
```

5. Write query to add a new comment for a post

```
> db.post.update({"post_id":1},{ $push:{"comments":{"comment_id":2,"message":"Qwertyuiop","timestamp":Date()}}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.post.find({"post_id":1}).pretty()
{
  "_id" : ObjectId("5cb5abb6c7d193f1234289cf"),
  "post_id" : 1,
  "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
  "description" : "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum rerum est autem sunt rem eveniet architecto",
  "posted_by" : 1,
  "created_at" : "Tue Apr 16 2019 14:20:13 GMT+0530 (IST)",
  "comments" : [
    {
      "comment_id" : 1,
      "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\nntempora quo necessitatibus\ndolor quam aut en quasi\nnreiciendis et nam sapiente accusantium"
    },
    {
      "comment_id" : 2,
      "message" : "Qwertyuiop",
      "timestamp" : "Tue Apr 16 2019 15:51:58 GMT+0530 (IST)"
    }
  ]
}
```

6. Write query to update description of a post

```
> db.post.update({'post_id':2},{ $set:{"description":"JavaScript is everywhere"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.post.find({"post_id":2}).pretty()
{
  "_id" : ObjectId("5cb5abb6c7d193f1234289d0"),
  "post_id" : 2,
  "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
  "description" : "JavaScript is everywhere",
  "posted_by" : 2,
  "created_at" : "Tue Apr 16 2019 14:21:33 GMT+0530 (IST)",
  "comments" : [
    {
      "comment_id" : 1,
      "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendis et nam sapiente accusantium",
      "timestamp" : "Tue Apr 16 2019 15:24:56 GMT+0530 (IST)"
    }
  ]
}
```

7. Write query to update comment message

```
> db.post.update({'post_id':1, 'comments.comment_id':2},{ $set:{ "comments.$.message":"JS is everywhere bro!"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.post.find({"post_id":1}).pretty()
{
  "_id" : ObjectId("5cb5abb6c7d193f1234289cf"),
  "post_id" : 1,
  "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
  "description" : "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum
rerum est autem sunt rem eveniet architecto",
  "posted_by" : 1,
  "created_at" : "Tue Apr 16 2019 14:20:13 GMT+0530 (IST)",
  "comments" : [
    {
      "comment_id" : 1,
      "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\nntempora quo necessitatibus\ndolor quam aut
em quasi\nnreiciendis et nam sapiente accusantium"
    },
    {
      "comment_id" : 2,
      "message" : "JS is everywhere bro!",
      "timestamp" : "Tue Apr 16 2019 15:51:58 GMT+0530 (IST)"
    }
  ]
}
```

8. Write query to remove a comment

```
> db.post.update({"post_id":1},{ $pull:{ "comments":{"comment_id":1}}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.post.find({"post_id":1}).pretty()
{
  "_id" : ObjectId("5cb5abb6c7d193f1234289cf"),
  "post_id" : 1,
  "title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
  "description" : "quia et suscipit\nsuscipit recusandae consequuntur expedita et cum\nreprehenderit molestiae ut ut quas totam\nnostrum
rerum est autem sunt rem eveniet architecto",
  "posted_by" : 1,
  "created_at" : "Tue Apr 16 2019 14:20:13 GMT+0530 (IST)",
  "comments" : [
    {
      "comment_id" : 2,
      "message" : "JS is everywhere bro!",
      "timestamp" : "Tue Apr 16 2019 15:51:58 GMT+0530 (IST)"
    }
  ]
}
```