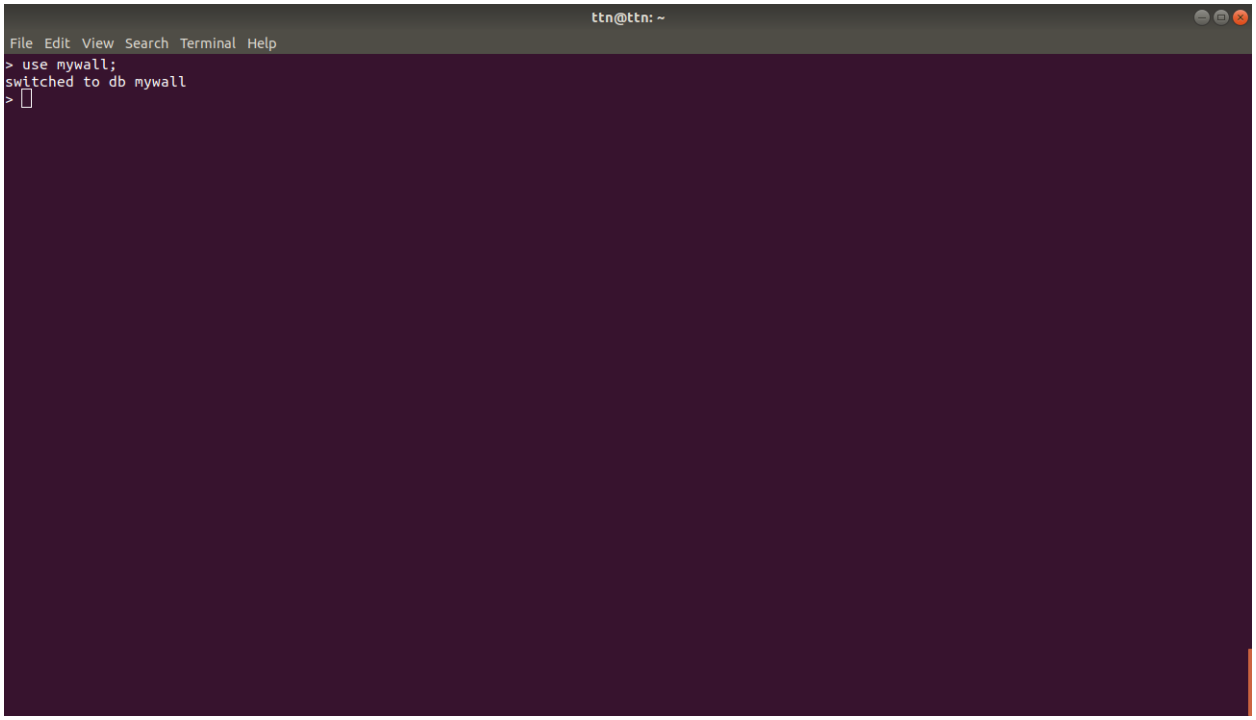
Assignment-MongoDB

1. Create a Database named 'MYWall'

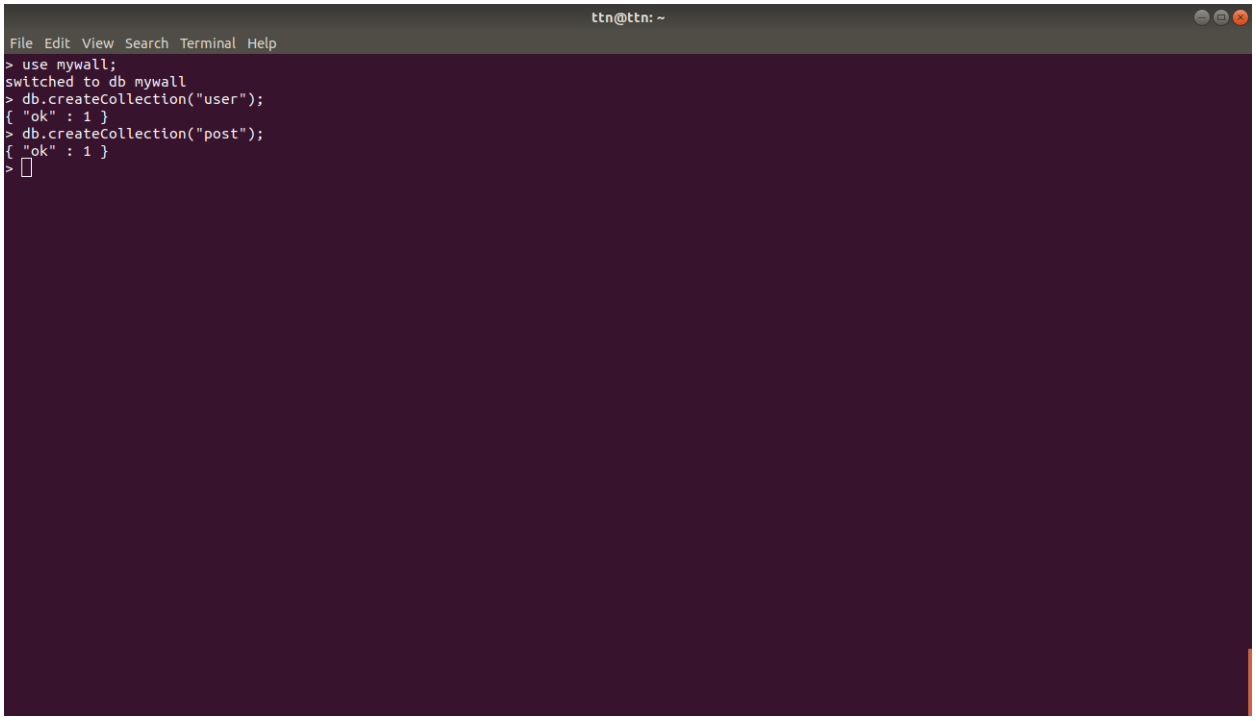
> use mywall;



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

> db.createCollection("user");

> db.createCollection("post");



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

>db.post.insert([{

"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\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendis et nam sapiente accusantium"
                }
        ]
},
{
        "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 rerum 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\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendis et nam sapiente accusantium",
                        "timestamp" : "Tue Apr 16 2019 15:24:56 GMT+0530 (IST)"
                }
        ]
},
{
        "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 rerum est autem sunt rem eveniet architecto",

"posted_by" : 3,

"created_at" : "Tue Apr 16 2019 14:22:00 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 15:25:01 GMT+0530 (IST)"

},

{

"comment_id" : 2,

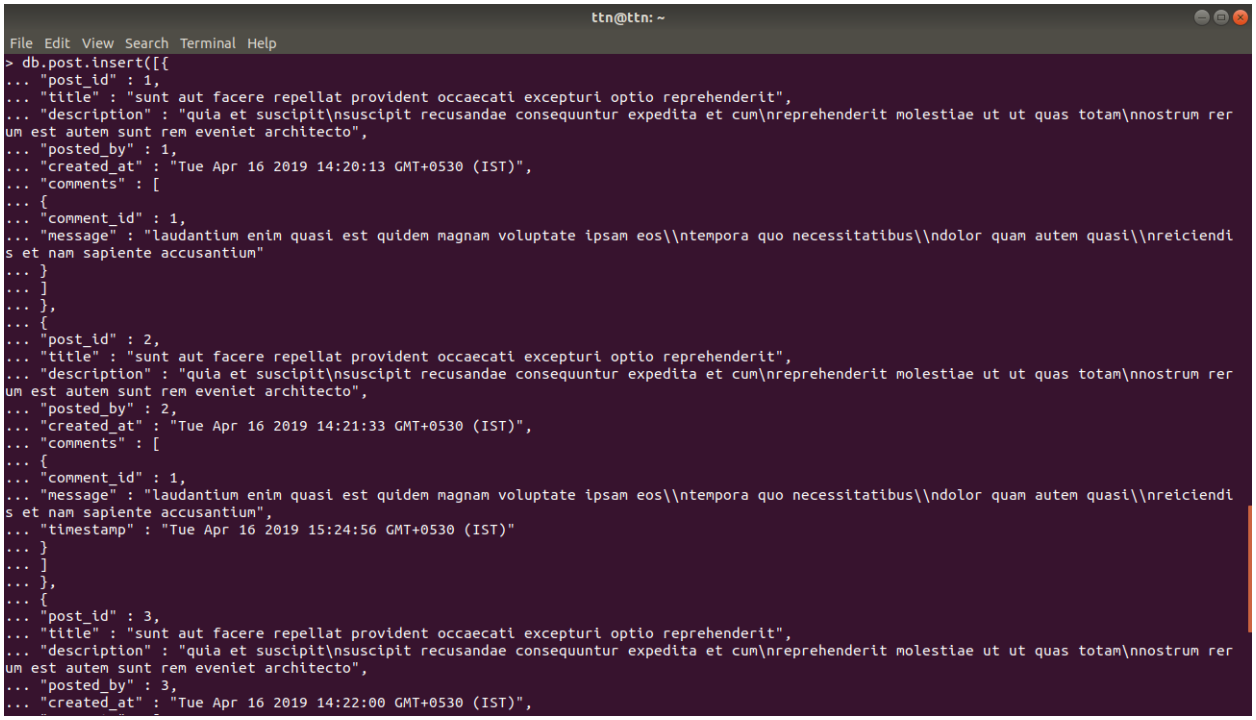
"message" : "hello evreyone",

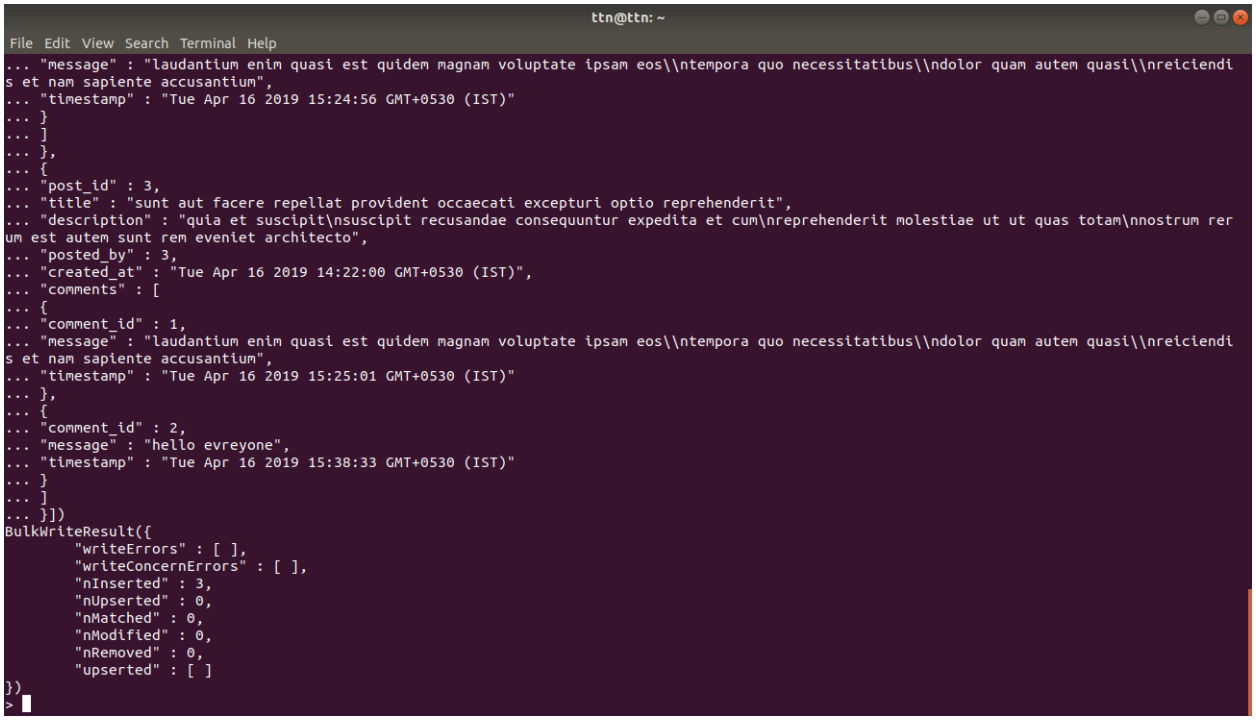
"timestamp" : "Tue Apr 16 2019 15:38:33 GMT+0530 (IST)"

}

]

}])


ttn@ttn: ~
File Edit View Search Terminal Help
> db.post.insert([{
... "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\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendi
s et nam sapiente accusantium"
... }
...]
... },
... {
... "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\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendi
s et nam sapiente accusantium",
... "timestamp" : "Tue Apr 16 2019 15:24:56 GMT+0530 (IST)"
... }
...]
... },
... {
... "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
um est autem sunt rem eveniet architecto",
... "posted_by" : 3,
... "created_at" : "Tue Apr 16 2019 14:22:00 GMT+0530 (IST)",


ttn@ttn: ~
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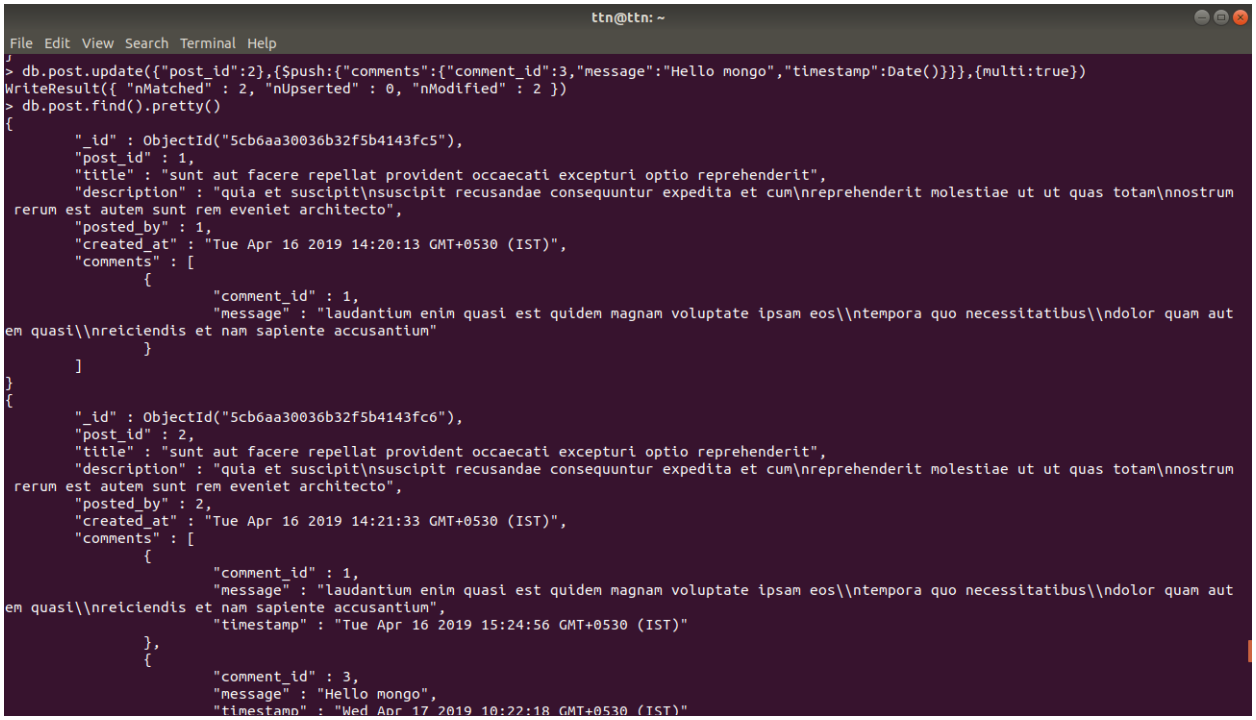
... "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendi
s et nam sapiente accusantium",
... "timestamp" : "Tue Apr 16 2019 15:24:56 GMT+0530 (IST)"
... }
...]
... },
... {
... "post_id" : 3,
... "title" : "sunt aut 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
um est autem sunt rem eveniet architecto",
... "posted_by" : 3,
... "created_at" : "Tue Apr 16 2019 14:22:00 GMT+0530 (IST)",
... "comments" : [
... {
... "comment_id" : 1,
... "message" : "laudantium enim quasi est quidem magnam voluptate ipsam eos\\ntempora quo necessitatibus\\ndolor quam autem quasi\\nreiciendi
s et nam sapiente accusantium",
... "timestamp" : "Tue Apr 16 2019 15:25:01 GMT+0530 (IST)"
... },
... {
... "comment_id" : 2,
... "message" : "hello evreyone",
... "timestamp" : "Tue Apr 16 2019 15:38:33 GMT+0530 (IST)"
... }
...]
... }])
BulkWriteResult({
"writeErrors" : [ ],
"writeConcernErrors" : [ ],
"nInserted" : 3,
"nUpserted" : 0,
"nMatched" : 0,
"nModified" : 0,
"nRemoved" : 0,
"upserted" : [ ]
})
>

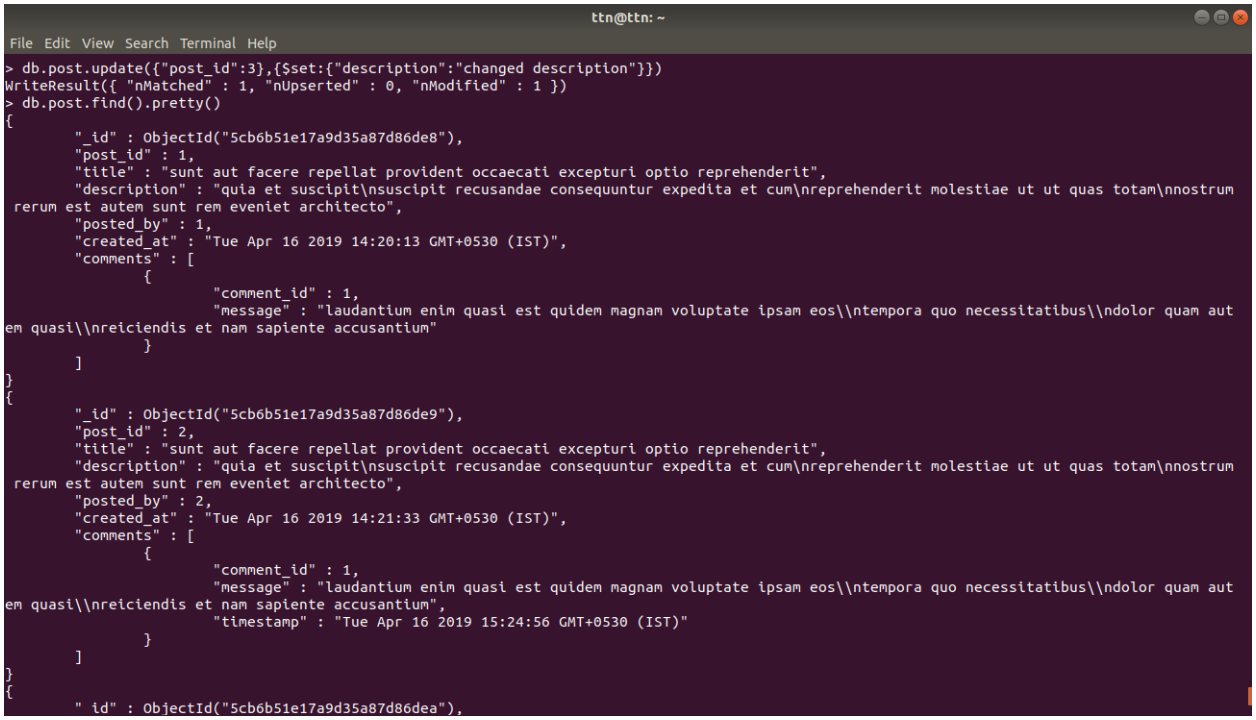
5. Write query to add a new comment for a post

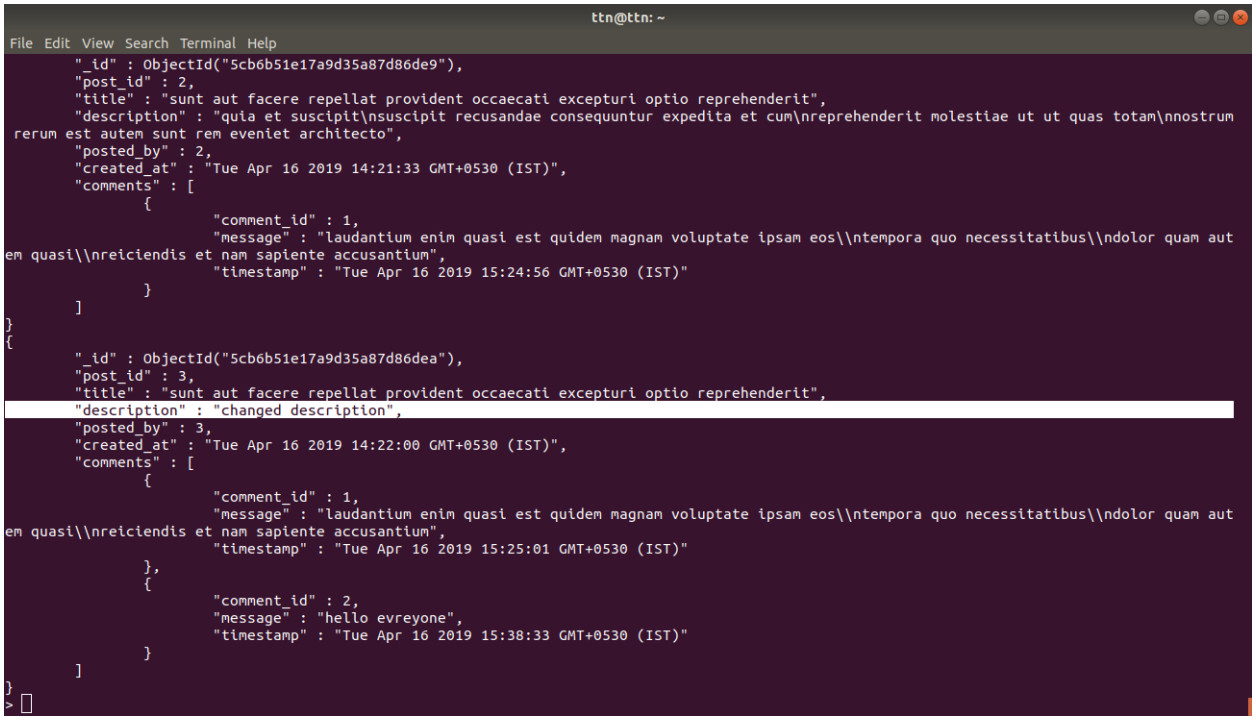
> db.post.update({"post_id":2},{$push:{"comments":{"comment_id":3,"message":"Hello mongo","timestamp":Date()}}},{multi:true})



6. Write query to update description of a post

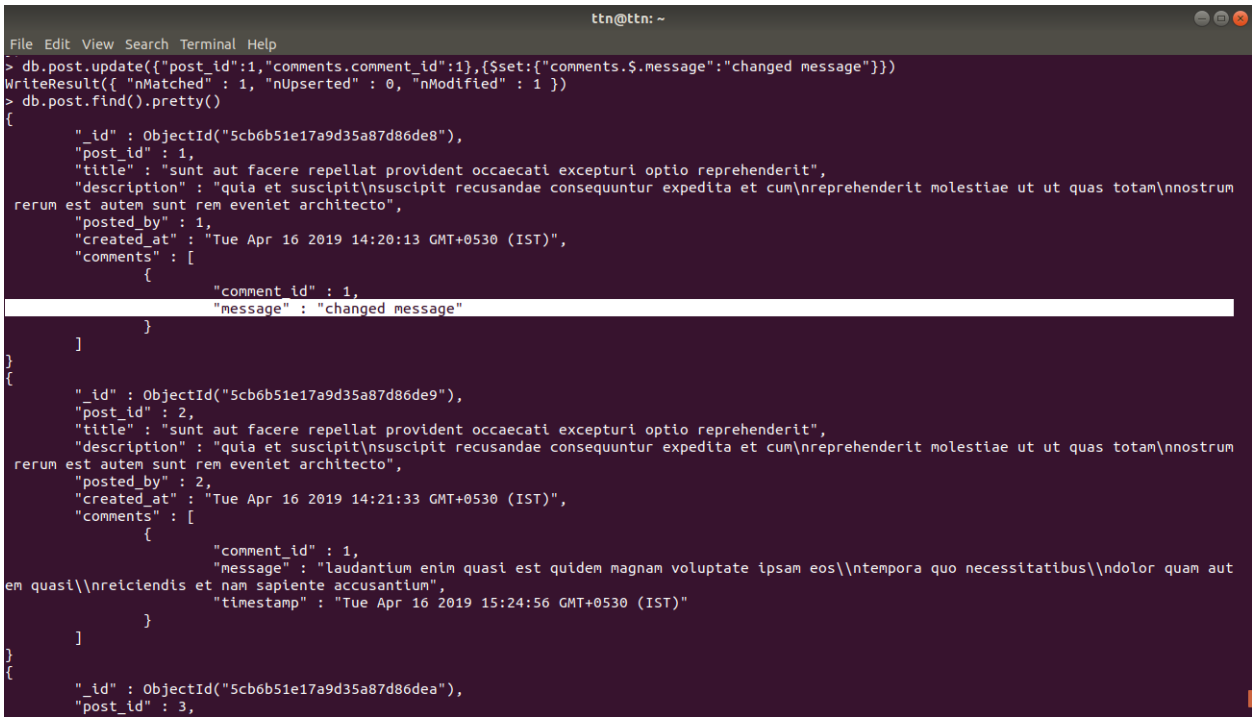
>db.post.update({"post_id":3},{$set:{"description":"changed description"}})





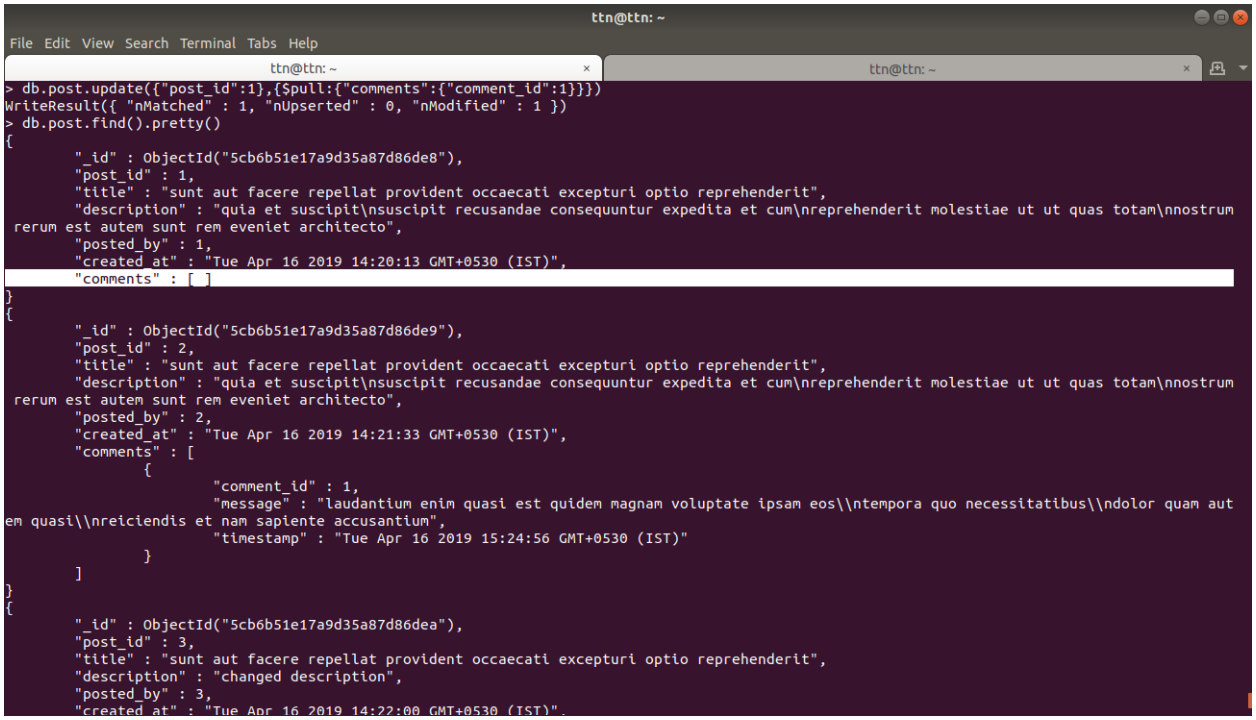
7. Write query to update comment message

>db.post.update({"post_id":1,"comments.comment_id":1},{$set:{"comments.$.message":"changed message"}})



8.Write query to remove a comment

> db.post.update({"post_id":1},{$pull:{"comments":{"comment_id":1}}})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ttn@ttn: ~
ttn@ttn: ~
> db.post.update({"post_id":1},{$pull:{"comments":{"comment_id":1}}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.post.find().pretty()
{
"_id" : ObjectId("5cb6b51e17a9d35a87d86de8"),
"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" : [ ]
}
{
"_id" : ObjectId("5cb6b51e17a9d35a87d86de9"),
"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
rerum 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\\ntempora quo necessitatibus\\ndolor quam aut
em quasi\\nreiciendis et nam sapiente accusantium",
"timestamp" : "Tue Apr 16 2019 15:24:56 GMT+0530 (IST)"
}
]
}
{
"_id" : ObjectId("5cb6b51e17a9d35a87d86dea"),
"post_id" : 3,
"title" : "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
"description" : "changed description",
"posted_by" : 3,
"created_at" : "Tue Apr 16 2019 14:22:00 GMT+0530 (IST)",