Exercise on MongoDB

1. Create a Database named 'MYWall'

A.

```
> use MYWall
switched to db MYWall
```

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

```
> db.createCollection('post');
{ "ok" : 1 }
> db.createCollection('user');
{ "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

```
> db.post.insert({ "post_id": ObjectId() , "title":"MongoBasics", "description":"Mongo
is good.", "posted_by": 1, "comments":[ { "comment_id":1, "message": "i have no idea wha
t you talking aboout?", timestamp: Date() }], created_at: Date() });
```

```
> db.post.insert({ "post_id": ObjectId() , "title":"Node", "description":"Node is good.
", "posted_by": 1, "comments":[ { "comment_id":2, "message": "Now I know what you talkin
g aboout?", timestamp: Date() }], created_at: Date() });
```

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

Original Post(see comments):

Command:

```
> db.post.update({ title: "MongoBasics"}, {$push:{comments: { comment_id:3, message: "
Thanks for adding this.", timestamp: Date() }}})
```

Updated post: (see comments):

- 6. Write query to update description of a post.
 - A. Original post: (see description)

Command:

```
> db.post.update({ post_id:ObjectId("5cb596502a1be150f2372d8f")},{$set: {description:"Mo
no is not so good."} })
```

Updated Post: (see description)

7. Write query to update comment message

A. Original comment >

```
"comment_id" : 3,
    "message" : "Thanks for adding this.",
    "timestamp" : "Tue Apr 16 2019 14:55:17 GMT+0530 (IST)"
}
```

Command >

```
> db.post.update({ post_id:0bjectId("5cb596502a1be150f2372d8f"),"comments.comment_id":3
},{$set: {"comments.$.message":"I m so lucky."} })
```

Updated Comment >

```
{
    "comment_id" : 3,
    "message" : "I m so lucky.",
    "timestamp" : "Tue Apr 16 2019 14:55:17 GMT+0530 (IST)"
}
```

8. Write query to remove a comment.

A.

post collection before removing the comment (look at comment id: 3)>

Following command will remove the comment from the post of mentioned *post_id* and the comment of mentioned *comment_id*.

post collection after removing the comment (comment with comment_id:3 deleted)>