Name: Kartik Jolapara SapID:60004200107

Batch: B/B1

ADBMS Exp8

<u>Aim:</u> Data handling using JSON. (Display user information from JSON file downloaded from Mobile)

Theory:

	Kautik Jolapaka 6000 4200107 B1 ADBMS (25 Programs 1 1 1 1 1 1 1 1 1 1
	B1 ADAMS (25 Date
-	Texp 81
	Aim: Data handling using 500N
	Theory.
	Devery: 0750N stande Roy Jana Swript Object Notation
	o In Ison is basically your for data transmission in neb applications
	O JEON is extension of Je longuage
	@ JSON can be used for stating & exchanging
	data on the web
	@ It is used as alternative to XNUL.
	6 RDN 13 a light-weight, text based
Ř.	data interchange Remant.
	1) Text can relead and used and a dout a format
	O JOSH is longuage objected & can be
	used with adole Mogrammine languages.
	CALL and all succession land april have
	O All popular phogramming languages have partising code à support for JSON data
	on them
	O Json is self-describing and easy to
	unautrytand
_	O JOON suppolled - paix values arrows, litts.
-	reltor "sequence's
	Conclusions
	Thus we studied and inglemented data
	hardling in Isom
8	

Implementing Queries-Selecting a DB

```
test> use reddit;
switched to db reddit
reddit>
```

Showing all Databases

```
reddit> show dbs;
admin 100.00 KiB
config 60.00 KiB
local 72.00 KiB
reddit 8.00 KiB
reddit>
```

Dropping a Database

```
reddit> use twitter;
switched to db twitter
twitter> db.dropDatabase();
{ ok: 1, dropped: 'twitter' }
twitter> |
```

Creating a collection

```
reddit> db.createCollection("posts");
{ ok: 1 }
reddit> |
```

Dropping a collection

```
reddit> db.comments.drop();
true
reddit> |
```

Inserting multiple documents

```
reddit> db.posts.insertMany([{ title: "Funny Meme", image: "https://wikipedia.com/troll_face", votes: 123, posted_by: "l
ca_tejas" }, { title: "Damn: reddit", text: "Your reddit is damn: reddit", votes: 12, posted_by: "meetp90" }]);
{
   acknowledged: true,
   insertedIds: {
      '0': ObjectId("6389fde4880a8e67b5db4a3b"),
      '1': ObjectId("6389fde4880a8e67b5db4a3c")
   }
}
reddit> |
```

Updating documents

```
reddit> db.posts.update({ posted_by: "meetp90" }, { $set: { title: "How to get stuff back!" } });
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 0
}
reddit> db.posts.find();
[
    {
        id: ObjectId("6389fde4880a8e67b5db4a3b"),
        title: 'Funny Meme',
        image: 'https://wikipedia.com/troll_face',
        votes: 123,
        posted_by: 'lca_tejas'
},
    {
        id: ObjectId("6389fde4880a8e67b5db4a3c"),
        title: 'How to get stuff back!',
        text: 'Your reddit is damn: reddit',
        votes: 12,
        posted_by: 'meetp90'
}
```

Querying the documents

Deleting documents

```
reddit> db.posts.remove({ votes: { $lt: 100 } });
DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 1 }
```

Importing json

Exporting as json

```
# mongoexport --db reddit --collection posts --out ./posts_db.json --authenticationDatabase admin -u root -p pass@123 2022-12-02T14:46:53.394+0000 connected to: mongodb://localhost/
2022-12-02T14:46:53.402+0000 exported 8 records

# cat posts_db.json
{"_id":{"$oid":"6389fde4880a8e67b5db4a3b"},"title":"Funny Meme","image":"https://wikipedia.com/troll_face","votes":123,"
posted_by":"lca_tejas"}
{"_id":{"$oid":"6389ff86880a8e67b5db4a3d"},"title":"Jharkhand is not real","text":"Jharkhand is not real guys. It is a p
ropoganda tool","votes":3321,"posted_by":"lca_tejas"}
{"_id":{"$oid":"6389ff86880a8e67b5db4a3e"},"title":"Emojis bad","text":"Emojis bad, please laugh","votes":1212,"posted_b
y":"meetp90"}
{"_id":{"$oid":"638a0009880a8e67b5db4a3f"},"title":"Soggy cat","image":"https://preview.redd.it/cxjsjx27g7j81.jpg?auto=w
ebp&s=d09bla5e785562455e3661a186087e398c05466d0","votes":33213,"posted_by":"lca_tejas"}
{"_id":{"$oid":"638a0009880a8e67b5db4a40"},"title":"We did it reddit! We broke the stock markets arou
nd the world and dilluted all the world currency!","votes":12134,"posted_by":"meetp90"}
{"_id":{"$oid":"638a0ecfecbf380e4d3fafc3"},"title":"Hass lo guys, very funny","image":"https://www.google.com/url?sa=i&u
rl=https%3A%2F%2Fknowyourmeme.com%2Fmemes%2Fwalter-white-breaks-down&psig=AOVVaw3-rrXAVEUTQclpJMPUNmWy&ust=1670075371754
000&source=images&cd=vfe&ved=0cA00jRxqFwoTCNDpt0aJ2_scFQAAAAAdAAAABAD","votes":2234,"posted_by":"kunaljx86"}
{"_id":{"$oid":"638a0ecfecbf380e4d3fafc5"},"title":"No idea","text":"What is this post even","votes":22342,"posted_by":"l
ca_tejas"}
{"_id":{"$oid":638a0ecfecbf380e4d3fafc5"},"title":"bruh!","image":"bruh sound effect (x100)","votes":22342,"posted_by":"
meetp90"}
```

Conclusion:

Thus, we successfully implemented data handling using JSON.