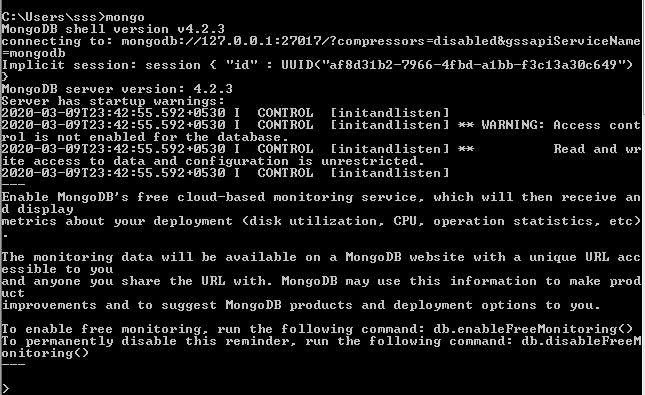
Ninja Project Documentation:

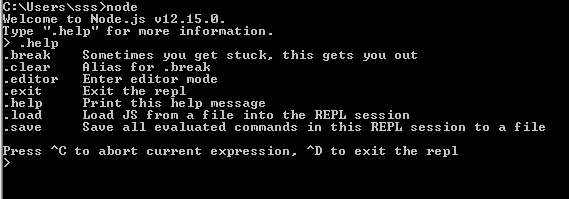
1. In this Ninja Program I was selected for middle layer part.
2. So for middle layer part as I required DB tables. I have used Mondo DB.
3. For Mongo DB I have installed from Mongo Web-site.
4. Later I have installed it in my laptop. For checking purpose I have used command Prompt for verifying.

Please find below Screen Shot for installation successful.



1. After success full installation I have used Node Js for accessing Mongo DB.

Please find below screen shot for reference.



1. After successful Installation. I have prepared sample Hello World code in Node.Js.

Please find below sample code for Node.Js.

var http = require('http');

//create a server object:

http.createServer(function (req, res) {

  res.write('Hello World!'); //write a response to the client

  res.end(); //end the response

}).listen(8080); //the server object listens on port 8080

Result:’ Hello World!’

1. After successful execution of hello World program I have started accessing Mongo DB by writing code as below.
2. var MongoClient = require('mongodb').MongoClient;
3. //Create a database named "mydb":
4. var url = 'mongodb://127.0.0.1:27017';
5. MongoClient.connect(url, function(err, db)
6. {
7. if (err) throw err;
9. console.log("many document inserted");
10. db.close();
11. });

8) later on I have created DB by Writing below Code.

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/ninja1db";

MongoClient.connect(url, function(err, db) {

  if (err) throw err;

  console.log("Database created!");

  db.close();

});

After creating it won’t show in Mongo DB as collection was not created. So, later on I have created collections by writing below one.

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://127.0.0.1:27017";

MongoClient.connect(url, function(err, db) {

  if (err) throw err;

  var dbo = db.db("mydb");

  dbo.createCollection("transaction\_table", function(err, res) {

    if (err) throw err;

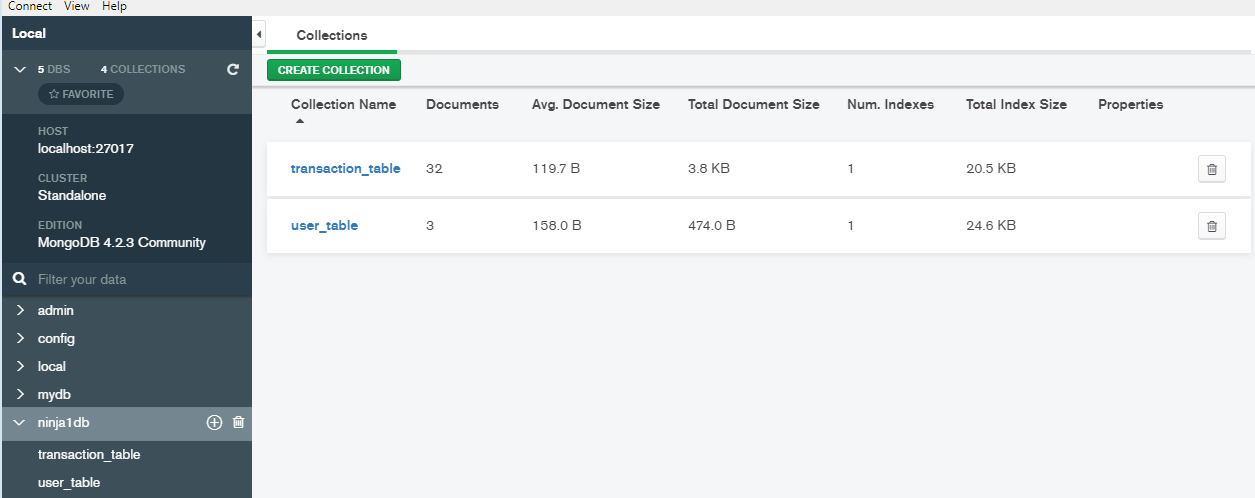
    console.log("Collection created!");

    db.close();

  });

});

After creation of tables, the DB and Tables are visible in Ninja1db. As below.



Later on I have started uploading records in those tables by writing below code.

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://127.0.0.1:27017";

MongoClient.connect(url, function(err, db) {

  if (err) throw err;

  var dbo = db.db("ninja1db");

  var myobj = [

  { cust\_id: 12546789, password: "Rare@741", account\_number: "77040112345609",address:"Hyderabad-madinaguda", user\_name: "Vamshi" ,DOB:"08/09/1991"},

  { cust\_id: 24789217, password: "Rare@741", account\_number: "77040154578902",address:"Hyderabad-chandanadar", user\_name: "Hemanth" ,DOB:"09/10/1991"},

  { cust\_id: 35897401, password: "Rare@741", account\_number: "77040157894125",address:"Hyderabad-Adibatla", user\_name: "Srilakshmi" ,DOB:"07/11/1990"},

  { cust\_id: 12478902, password: "Rare@741", account\_number: "77040157897527",address:"Hyderabad-Lbnagar", user\_name: "Priyanka" ,DOB:"06/12/1991"},

  { cust\_id: 85454678, password: "Rare@741", account\_number: "77040156743290",address:"Hyderabad-rsnagar", user\_name: "Ganesh" ,DOB:"05/11/1989"},

  { cust\_id: 85454678, password: "Rare@741", account\_number: "77040156743290",address:"Hyderabad-rsnagar", user\_name: "Swetha" ,DOB:"08/12/1989"},

  { user\_id: 12546790, password: "Rare@741", account\_number: "77040156743191",address:"Delhi-rsnagar", user\_name: "Suchi" ,DOB:"04/05/1989"},

  { user\_id: 12546791, password: "Rare@741", account\_number: "77040156743297",address:"Delhi-nagar", user\_name: "Sandeep" ,DOB:"04/05/1984"},

  { user\_id: 12546792, password: "Rare@741", account\_number: "77040156743365",address:"Nagpur-rsnagar", user\_name: "Deba" ,DOB:"04/11/1988"},

  { user\_id: 12546793, password: "Rare@741", account\_number: "77040156743852",address:"Hyd-rsnagar", user\_name: "Sai" ,DOB:"04/05/1992"},

];

  dbo.collection("user\_table").insertMany(myobj, function(err, res) {

    if (err) throw err;

    console.log("many document inserted");

    db.close();

  });

});

The above code represents user\_table records in the same way I have wrote code for transaction table as below.

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://127.0.0.1:27017";

MongoClient.connect(url, function(err, db) {

  if (err) throw err;

  var dbo = db.db("ninja1db");

  var myobj = [

    { transaction\_id: 1,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 2,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 3,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 4,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 5,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 6,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 7,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 8,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 9,user\_id: 12546789, transaction\_type: "petrol", Amount: 1000, user\_name: "Vamshi" },

    { transaction\_id: 10,user\_id: 12546789, transaction\_type: "shoping", Amount: 500, user\_name: "Vamshi" },

    { transaction\_id: 11,user\_id: 12546789, transaction\_type: "movie", Amount: 700, user\_name: "Vamshi" },

    { transaction\_id: 12,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 13,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 14,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 15,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 16,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 17,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 18,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 19,user\_id: 24789217, transaction\_type: "movie", Amount: 700, user\_name: "Hemanth" },

    { transaction\_id: 20,user\_id: 24789217, transaction\_type: "petrol", Amount: 500, user\_name: "Hemanth" },

    { transaction\_id: 21,user\_id: 24789217, transaction\_type: "shoping", Amount: 1500, user\_name: "Hemanth" },

    { transaction\_id: 22,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 23,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 24,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 25,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 26,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 27,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 28,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 29,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 30,user\_id: 35897401, transaction\_type: "shoping", Amount: 1900, user\_name: "Srilakshmi" },

    { transaction\_id: 31,user\_id: 35897401, transaction\_type: "petrol", Amount: 850, user\_name: "Srilakshmi" },

    { transaction\_id: 32,user\_id: 35897401, transaction\_type: "movie", Amount: 900, user\_name: "Srilakshmi" },

  ];

  dbo.collection("transaction\_table").insertMany(myobj, function(err, res) {

    if (err) throw err;

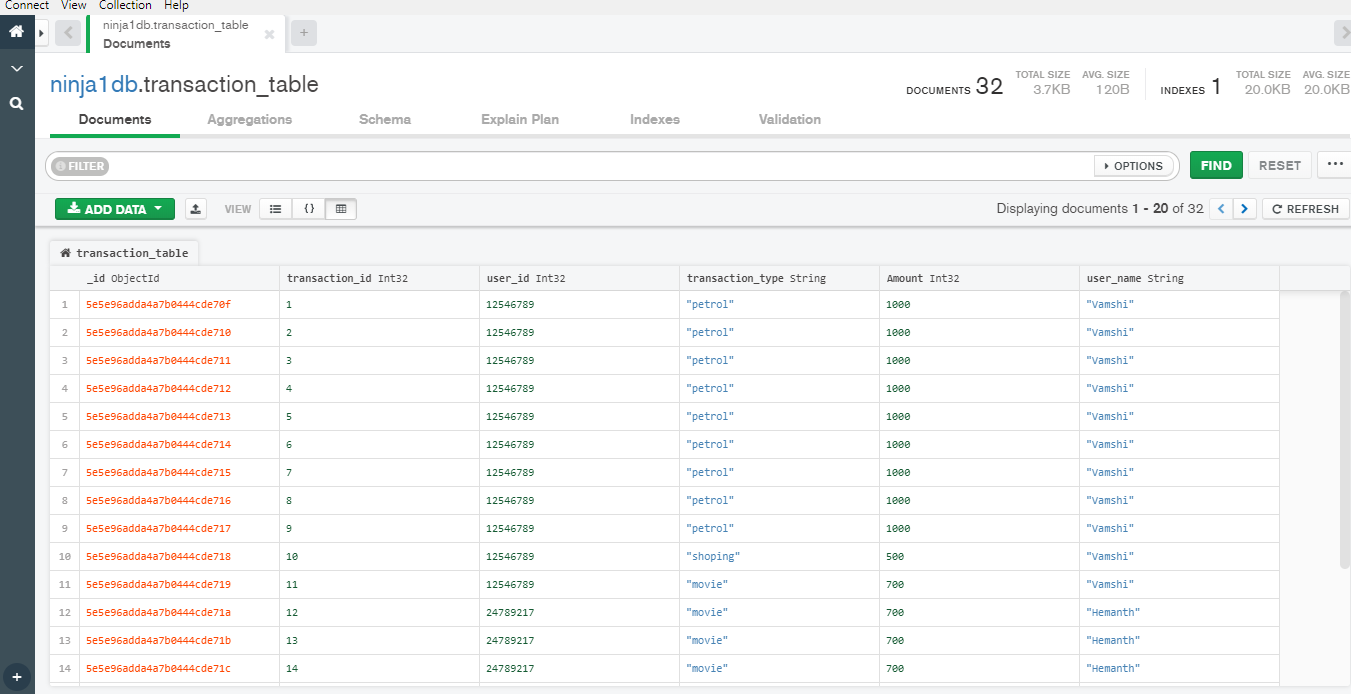
    console.log("many document inserted");

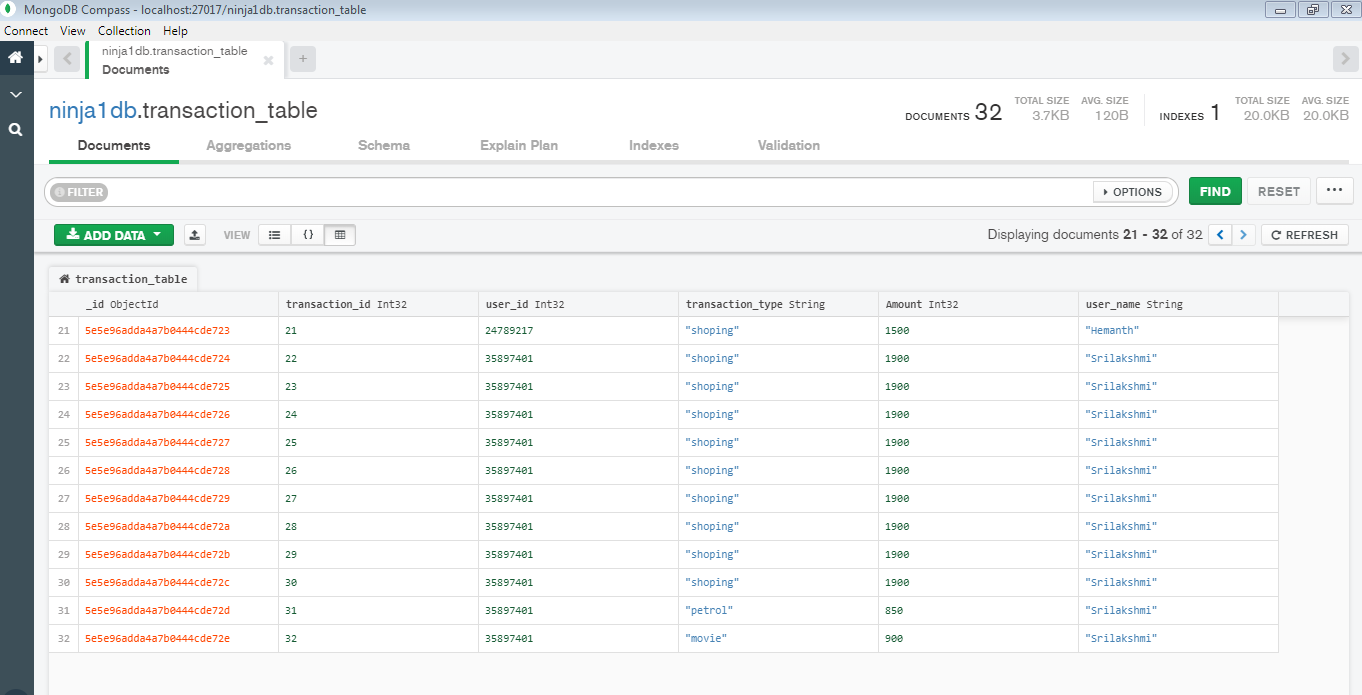
    db.close();

  });

});

For the above transaction table code please find below mongo DB table records.





After inserting the record I have updated tables by adding some columns in it. Please find updated code for insertion records in new columns.

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {

  if (err) throw err;

  var dbo = db.db("ninja1db");

  var myobj = { user\_id:35897401};

  var newobj = { $set: {account\_number: 77040185147207, dob: "08/09/1989",address:"Hyderabad-adibatla"}};

  dbo.collection("user\_table").updateOne( myobj, newobj, function(err, res) {

    if (err) throw err;

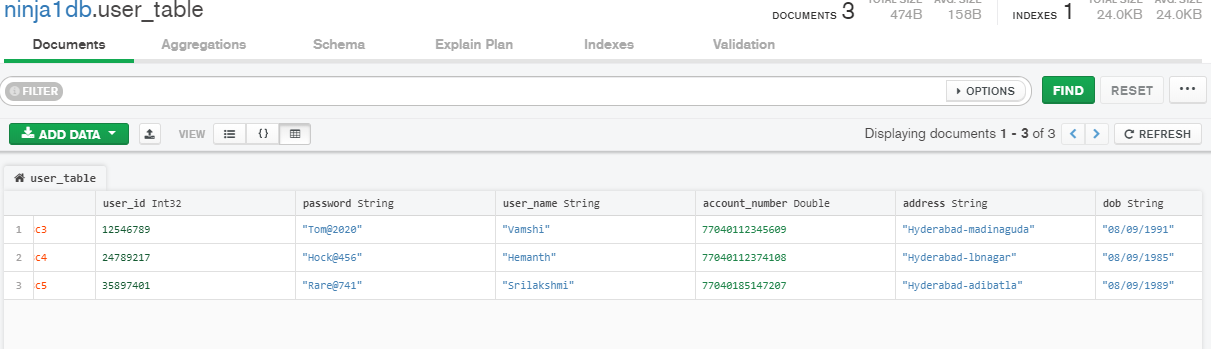
    console.log("1 document inserted");

    db.close();

  });

});

For the above please find below result screen shot in mongo DB.



After updation of tables I have uploaded the files in my Git Hub repository.

Please find below screen shots of github repository.

