

- Show databases * Show dbs &
- * db d Shows which delabase we as present
- Switched to halabase for (If not present it will create one) * use food

Replication primary dalel are conte

Read only desabases tie in election

takes over Case it fails.

-- repesel "leno" es

-- port

-- repl Set "doms" & name of the sel. or also path

Steet "a" mongod -- alspath - [dbl -- port 30000 -- replet "demo" & "b" mongod --defall ./db2 --port toooo Start "c" moyod --dopater ./dls --port 50000 -- replace when of

monyo -- post 30000 d dente us to pothe seme @30000 ds.gethoyol) + connection to 127.0.0.1:30000

Configuring Keptica see Cä(À IUW[@\$ MENONEE (WVEX± Ÿwâ ¶± Á ■> 装■装±> ÿâ±0± Á Var demo Config = { MEĞÜ♠⊕>±Ë(m̃₹ÿ±¼â>f⊕ Á ±>\$½3 ■ ±8± Á MARRIE W NEW YEAR A A A A A A CTT (U*UU\$@ 四個電影的 Φ 可量里面且R紫 Φ 何是面上点 V_A 直发面发 A_Z $\Delta > \pm D > \pm 2$ A" a _id ": "dens", a members ": [> 2 4-id ": 0, "host": " (ocalhost: 30000",
priority": 10 &, 1 Primary 1 Ansiley. { h-id 1:1, 4host 4: 4 loc : 40000 1 } B Scenday.) { "- Id": 2, "host": "loc: 500001 } + Higher priority to get more votes. (1) We are in the princy initiate (dound config) db. foo. save ({ -id:1, value: 'Hello Word 3) } Is object. LISON, Same a document to the collection (2) Switch to Secondary to see if the date has been copped mongo -- post 40000 Al : Switch to Secondary DB. (now set slave on to be able to read the date) db. Set Slave Oh () el 88. Status () db. foo. find () d Will return us the object soved in LDD. > { -id": 1, "value": "helio worll" }

Mongo Shell

-> It is a Is interpretu

- Shell is a hind of app"

that talks with the mayour sener.

-- Shell -> run script and return to shell.

To avoid dropping BB accidently in production (drop (dolabase) =) do nothing

DB. prototype. drop Dalabase = function () {

prine L" Don't do anytwy");

db. Loop Database = DB. prototype. drop Database;

Application

mongo Safonijs & -- Shell +

db. drop Databau () & el

Dof'do anything Screen Screen Contin.

(imp) mango -- nore) It will not oun the mongone (is fice

· mongore is Putting 12 force located would not have so involve it every him.

moyore.js

Starting he server

Goto the bin folder of nangodo

mongod --dopath: "<dbpath hen?" el

It should starting in case the folder mentionell in the dopath

MongoDE Server, listens on the localhore.

127001

Starting the shell

Goto bis folder of the manyodd installed

I manyo at

Above command Stearts the Shell used to cornect to the

manyodd server

& Commands

Show dbs & :- Displays the delaboses present.

Use my Database ? - Creases a new detabase remad

Creating collection

Collection will be a templace postoring various information.
To creck collection we need to follow the below steps.)

use my Delabase et takes on object

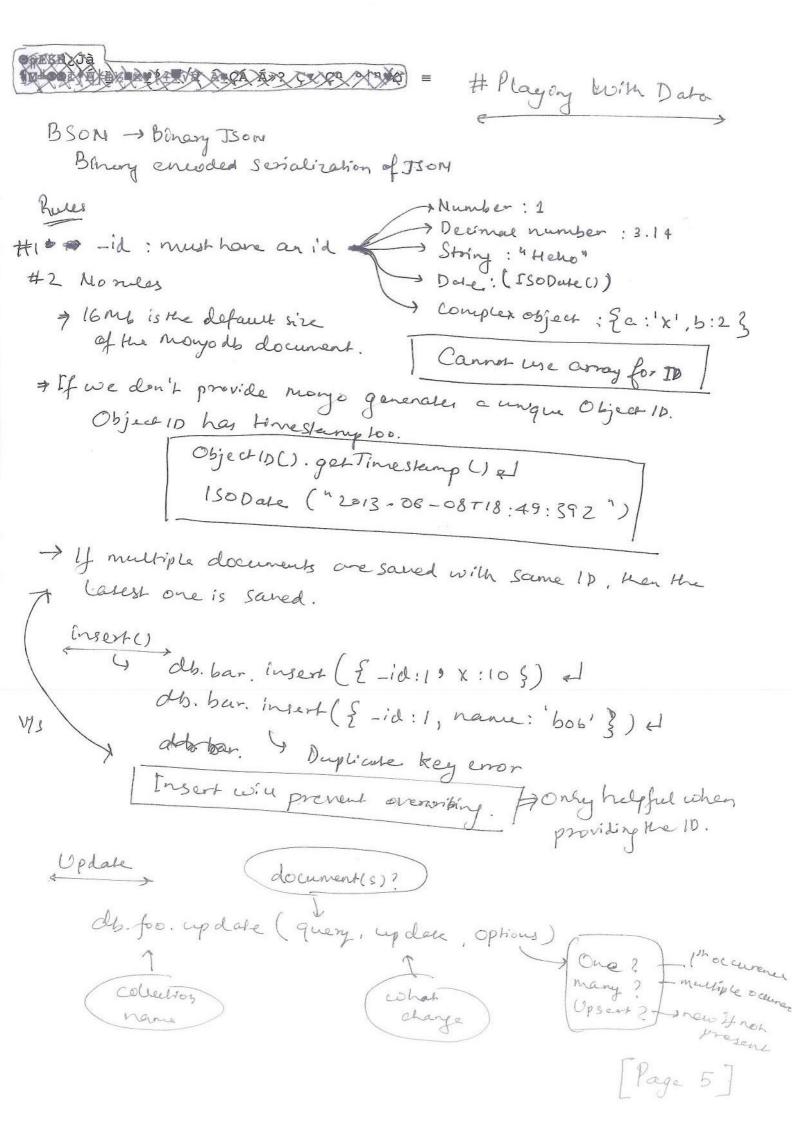
Name of the collection (2) "name": "Sugrafanne", collection

" Sex ": "M"

Page 4A

To view the collection Generated by mogpos (-id) db. employees. find () at "name": "Suprasaure", This off come, is a raw formet. This can be viewed in a gretty formal cusing of de. employees. find(). pretty() & : Output is as about Adding document to colverting var employee 1 = { }; el employer 1. name = "Shaunis"; a) employed. age = 30; 4 employee 1. Ser = "M"; N (Now reed to add the surployee I to our collection employees db. employels. Sane (employee 1); The above command adds the employed to our predefined correction employees ! employee will give too cet of records.

[dl. employees (flool (), pretty();) Paye 48



To reniene aux { "-id:1, x:11, y:3 } J. ds. a. updale ({-id:15, { funsel: {y:05}})}

and y:3 removed { -id:1, x:11 } To rename)

Ab. a. updale (f-id: 18, { \$renome: { "x": "X}}) as = [{ -id:1, X:11 } To push onone \[\frac{2}{3} - id':1, "\times: ["one"] \} \]

To push onone \[\frac{2}{3} - id':1, "\times: ["things": ["one"] \} \]

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To push onone \[\frac{2}{3} - id':1, "\times: ["things": ["one"] \} \] any { 2 - 1 d' : 1, "X": 11, "things": [4 one 1, "two 7] } To push Same ilenes nore than To avoid puding new ith) -) db.a. updale (of to: 15, & \$ things: "two 35) am { = id: 1 , x: 11 , things: ["one, "two"] }

To pull out of { -id:1, X:11, theys: ["one", "too", "four"] } db. a. cepdale ({_id: 1 }, { \$pop: { mings: 1 } })

01P = trongs: ["one", "two"]

(-1) (-1) - forst elenene Olp: tungs: [" two "] If "things is an a String all the array operations willfair! } "-id": 1 , "things": [1 ,2, 3] { '-id": 2 , "things": [2,3] the four { "-id": 3, "things": [3] } documents Saved in dun { "-id": 4, "terry": [1,3] } colledion If we want to update to all the documents, we need to provide (empty mattling abject query) db. a. repdale (ES, & Sprish: { things: 4 S) H This will repeate only I record. To enable it to apply for all the records deb.a. updake (& S, & Spush: { things: 40 S}, & multi: true }) To update only the document having 2" Ols. a. cpdele (Etnings: 25, & & push: Elvings: 42 &, Smuli: brue &)

Find And Modify ds.foo. find And Modify (& - which document query: (document), -> What change? cipale: <document). -> onest new if not present! upsest: < boolean >, delete: (bootean) - delde? - round old version before new: < boolean > by default. Setting this Quen - Sort: (document) true will return order document often fields: (document) chaye. freeds? Javascript object med is defined examples & "-idil, "things: [1,2,3] { "-id: 2, "tungs": [2,3] } { "-id: 3, "tungs": [3] } "query": { aftrings?: 1 §" -id': 4," Migs": [1,3] 3, "update"; { \$ Ser : { And And Modely

Ob. a. applate (mod) "touched": me ans:-) { "cd": 4, "things": [1,3] { 45047 : § Document got before neodified. descendingorden 3) mod new = true + ans: ds. a. find And Modify (mod) 9 { "-id": 4, "things": [1,3], "touched": true } - document got ofter modified as new -field is set to true [Page 8]

Retrieving documents from DB which field? ols. foo. find (queny, projection) which downers? (Project only id columns \$lt → less than

\$gtz: gneater them
equal db.foo.finl ({ -id: { fnot: { fgr: 2 } } } returns documents whose it is not greater than 2. db. foo. find (\ -id: \ \ \ in: [1,3] \ \ \) (returns documents whose id field match, 1 & 3. Ob. foo. find ({ \{ -id : \{ \text{ \text{nin : [1,3] \} \} \}} Teturns documents cologe 10 does not make I or 3. Consider h -id 1 , We cannot do both Include and exclude with "name": "cat-1, projection. Only "-id" is the Unitation. By default "tags": ["land", cute"], il- always show. "intro": { "type": "mammal", "color": "red" } Projection: - Shows name olb. animals. Sind ({ tags: 'ane' }, { name: 15) I Shows document of animals who have tage as cule. Shich Equality & care sensitive db. animals. find (Etags: { \$in: ['cute', 'ocean'] }}) Greturns animals with teys "cute" or "ocan" Page 9]

db. animals. find (E tags: { fall: ['aute', 'occur']}} - AND condition is enforced (contain all)

Sub Document > db.animals.find (& "info. canFly ": hue }) Wile return animals exhore carry property ciside info istue 3) Not notation. " Hurays enclosed" Inportant Niche Dot notation should be used shirty when matching different altributes within the parent object. lig; - an information: { color: ned, type: raisbow. To access maldry criteria db. news. find ({ information: { age: 22, color: red }}) Leile return nothing BGO Not only about the order.
But also all the fields should maken Obspecer. find (& "Information.age": 22, "information.color": will return the matching dole Ads as AND

Deleting the database is single.

Head to his abbeton and drop it.

use my Dalabose all

db. Dotebase () & a)

Sort() Skipl) linid()

No of records to skip

Cen be multiple.

toher Js objed.

Sort({ age: 16, nam: -1 })

According descending is present.