Data Base

1. For start mongo db
   1. Mongod > Mongo
2. Mongo basic command
   1. db
   2. use test ---- (test db created but will not show because there is no data)
   3. show dbs
   4. show collections
   5. use test > db.text.insert({}) ---- it will create test db and text collection
   6. db.items.insertOne({name:”sam”, price: 333, rating: 22}) - create collection in DB
   7. db.items.insertMany({name:”sam”, price: 333, rating: 22}, { name:”sam”, price: 333, rating: 22}) – create multiple collection
   8. db.items.find() – to find all collections
   9. db.items.find({price: 333}) – to find all collections with price 333

Web-Deployment

<https://www.youtube.com/watch?v=TeZdo8mx0gc&list=PLu0W_9lII9agiCUZYRsvtGTXdxkzPyItg&index=2>

Buy host

type \*ufw status\* to check status

Run \*apt update\* to update all packages

\*Sudo apt install apache2\* to install apache2

\*sudo ufw app list\* to check app list

\*Sudo ufw allow in “Apache Full” to allow incoming traffic\*

It serve file in path \*cd /var/www\*

\*vim index.html\* vim is use to edit in terminal.

To edit and exit file in terminal – press \*i\* then to exit press \*esc\* then \*:wq\*,

Download FileZilla to move data to host machine , put host ip and password and put 22 in port.

Set domain – add records \*Type-A, Name-@, Value –ip\*

cd /etc/apache2/sites-available here virtual file available.

Default virtual file – 000-default.conf

What need to change in file – DocumentRoot, ServerName, ServerAlias

To enable new virtual file – sudo a2ensite filename

apt install nodejs

To open port – uft allow 3000

install pm2 \*sudo npm install pm2@latest -g\*– to live site allways

pm2 example to see what it can do.

Then run - \*pm2 startup systemd\* then pm2 saves

To install mongodb – sudo apt install –y mongodb

Install ssl ---

* **sudo add-apt-repository ppa:certbot/certbot**
* **sudo apt install python-certbot-apache**
* **sudo apache2ctl configtest**
* **sudo ufw status**
* **sudo ufw allow 'Apache Full'**
* **sudo ufw delete allow 'Apache'**
* **sudo certbot --apache -d your\_domain -d www.your\_domain**

MERN

<https://www.youtube.com/watch?v=OrE3JtL0gak&list=PLUVqY59GNZQMcLXlrBo4T557kWjbKHMLS&index=3>