**NodeJs**

* **Difference between encrypt/decrypt vs hash** :: we encrypt data are decrypt but hash are not convert into original
* **Standard code Structure :: https://www.bezkoder.com/react-node-express-mongodb-mern-stack/**
* HelpFull in upload images :: <https://lo-victoria.com/build-rest-api-with-nodejs-upload-files-mongodb>
* uploadImage ::

const uploadImage = (req, res) => {

let dataString = req.body.base64image;

let matches = dataString.match(/^data:([A-Za-z-+\/]+);base64,(.+)$/);

let response = {};

if (matches.length !== 3) {

return new Error("Invalid input String");

}

response.type = matches[1];

response.data = new Buffer.from(matches[2], "base64");

let decodeImg = response;

let imageBuffer = decodeImg.data;

let type = decodeImg.type;

let extension = mime.getExtension(type);

let filename = "image." + extension;

try {

fs.writeFileSync("uploads/images/" + filename, imageBuffer, "utf8");

res.send("status : Success");

} catch (error) {

res.send({ error: error.message });

}

};

nvm install,remove version

<https://stackoverflow.com/questions/53785383/how-to-change-node-version-with-nvm>

Change node ::

* nvm install 10.18.1
* node -v
* npm -v
* nvm list
* For permanently using version :: nvm alias default 10.18.1
* node -v
* npm -v

Check list of vode version :: nvm ls

nvm alias default 10.18.1

Remove nodeJs

* sudo apt-get remove nodejs
* sudo apt-get remove npm
* sudo apt-get update

**JAVA**

Select java version

* https://phoenixnap.com/kb/how-to-install-java-ubuntu
* sudo update-alternatives --config java