NAMASTE NODE.JS SEASON 3

Episode-4 Hand Written Notes

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Episode-4

Keeping our Credentials safe using dotenv files

→ we need to Keep our project sensitive data like passwords, API key, DB connection string from others accessing it to do that we use a Package called dotenv. "npm install dotenv."

Step:1 Create a .env file.

On root level create a .env file and we will place all the secrets in this file. we should never push this file to github. to do this we include it in .gitignore file so that it will automatically be not included.

Step2: Creating a secrets and accessing it inside code.

Inside a .env file we just create a var without var, let, const Keywords and it is preferred to be capital letters and asign it with value. eg: .env file.

```
DB_Str = "your DB connection str"
```

this is called environmental variable.

→ we can have all the secrets in a single file.

How to use this inside code?

we can access the environmental variable stored inside a .env file using Process.env. name of the environmental variable.

eg:
```
Const ConnectDB = async() => {
        await mongoose.connect (process.env.DB_Str)
}
```

How to write a comments in .env file?

we can write a comment in .env file using #

Step3: Configure /connect dotenv & app.

in app.js on top level of the code we need to config this dotenv Package we installed.

eg: app.js

```
require("dotenv").config()
```

Step 4: Deploy it in instance and add our .env file to instance

Step a: git pull

go to the backend project in the instance and do a git pull to get the lastest code that we Pushed to github.

Step b: adding a .env file

-> Inorder to use .env we need to install dotenv package for that run a command npm install. It will install all the dependencies

-> to create a new file run

```
sudo nano .env.
```

and copy all the code from .env file to this new file.

Step c: Restart the process.

-> we need to restart the Process to reflect the changes made by using Pm2 restart Id of the process.

-> we can get the id of The currently running process from

```
Pm2 list.
```