**Advanced MERN Auth Course: Email Verification, Password Recovery, and Welcome Emails**

**Day – 1 Tuesday 26/08/2025:**

* ***npm install -y*** - Creating package.json file
* ***npm install express cookie-parser mailtrap bcryptjs dotenv jsonwebtoken mongoose crypto*** - setting up the backend with express
* ***npm I nodemon -D*** – setting developing dependencies
* *Created a* ***Frontend folder*** *and a* ***backend folder***

**Day – 2 Wednesday 27/08/2025**

* Scripts in package.json - ***dev":"nodemon backend/index.js (****npm run dev can be used to run****)***
* **MongoDB Atlas 🡪 create a project 🡪 project name 🡪 create cluster 🡪 get connection string 🡪 copy the password and and the connection string 🡪 network access 🡪 IP address 🡪 add IP address 🡪 give access from anywhere**
* DB connection setup is done **– *db , connectDB.js and index.js***

**Day – 4 Friday 29/08/2025**

* generateTokenAndSetCookie
* generated jwt – json web token
* Change the GET to POST in auth.route.js
* Working with the postman to check the outputs in the database in json formate
* **Postman** -🡪 creat new workspace 🡪 create new collection 🡪 add get or post what ever u want 🡪 raw (radial button ), json formate 🡪 output will be diaplayed on clicking the send button

**Day – 5 Saturday 30/08/2025**

* Sign up endpoint has been done using  ***🡪 MAILTRAP 🡪 POSTMAN 🡪 ATLAS***
* POSTMAN 🡪 email ID registered in Mailtrap should be sent because in Mailtrap, my setting is to send to myself, so do not use any other email ID while testing the endpoint
* Mailtrap 🡪 designed the template 🡪 used the api key and format of Node.js SDK 🡪 both verification email and welcome mail are being designed and tested
* At last 🡪 cross-checking for the database entry 🡪 no duplicate entries 🡪 verifiction tokens being sent
* POSTMAN 🡪 create a new post collection for verification 🡪 copy the verification code got in email and paste it there for verification endpoint test 🡪 test case should be passed
* Learnt today to use ***POSTMAN, MAILTRAP,*** and ***MONGODB ATLAS***