**Day 3: 22 Mar. 25**

Backend technology using Node JS

**Express JS :** Express JS is a third party module which internally use http module and provide extra features to develop web application using Node js. Even express js also known as Node js backend framework. Which internally follow MVC(model view controller), which support all http methods like get, post, put and delete. It will supporting routing features. Using express module we can create rest api very easily.

Node js provided lot of external web framework.

Creating simple web application using express js module

Create folder as **express module**

if you another sub folder you can create as express simple app

we can install third party module using

1. Locally : npm install modulename: if we install any third party module locally we need to install this module again and again in every project if you need.
2. Globally : npm install modulename -g

If we install any third party module globally no need to install that modules again and again.

Before install module we need to create the package.json file. This file contains your project configuration details as well as all modules which you use to develop the application with modules version.

Creating package.json file in node js project.

npm init

npm install : this command we need to run inside a project.

This command read all information from package.json file and whatever dependencies we use install in current project.

Creating the package.json file

npm init it will ask few option. You can provide or hit enter key then it consider default value.

npm install express

creating another project with Express JS with View as HTML pages

create folder as **express-with-html**

**npm init**

**npm install express**

Get method

We can receive the value from client form using

request.query.formFieldName;

Post method

we can receive the value from client form using

request.body

by default express js doesn’t receive value from request body part.

We need to use another third party module ie bodyParser. Which help use to extract the value from request body part when request as post.

Old version express JS doesn’t provide bodyparser module with express. But new version whenever we install express js by default bodyparser module also install.

Old version express application we were installing bodyParser module separately.

**npm install body-parser**

first we need to load this module in our project.

Express js middleware modules. Middleware module add between client and server application.

Adding different middleware module base upon the requirement as

app.use(middlewareModule)

create new project as express-login-app help to do signIn and signUp with data stored in array variables.

npm init -y it create package.json file with default details.