1. Introduction to ES6

let keyword const keyword

Arrow functions

js class

js promise objects

array functions

default params values

object destructuring

2. introduction MEAN Stack

mean stack

is a free and open-source JavaScript software stack for building dynamic web sites and web applications
Because all components of the MEAN stack support programs that are written in JavaScript, MEAN applications can be written in one language for both server-side and client-side execution environments

mongodb

MongoDB is a NoSQL database program that uses JSON-like documents with schema.

The role of the database in the MEAN stack is very commonly filled by MongoDB because its use of JSON-like documents for interacting with data as opposed to the row/column model allows it to integrate well with the other (JavaScript-based) components of the stack

node js

Node.js is the application runtime that the MEAN stack runs on.

express js

Express.js (also referred to as Express) is a modular web application framework package for Node.js

angular

js web framework to create single web application
installation

```
npm install -g @angular/cli
```

3. tools

postman

> tool to simplify building an api

mongodb compas

> tool to visualize your mongodb data

4. Node js useful packages

a. **express js**
b. **mongoose**
c. **dotenv**
d. **express-form-data**
e. **cors**
f. **body-parser**
g. **nodemailer**
h. **path**
i. **fs**
j. **mongoose-type-email**