25-09-2021

Phase 3 :

13 session

Node JS

1. Overview of Node
2. Node JS modules : core module, local module external module
3. Fs module
4. Url module
5. http module
6. express module
7. creating web application using Http and express module
8. Mongo DB database
9. Connection mongo db database using node js with help of mongodb and mongoose module
10. Connecting Express JS with Mongoose with Mongo Db Database
11. Express JS MVC application
12. MEAN CRUD Operation -🡪 Angular -🡪Express -🡪 Mongoose -🡪 Mongo DB using MVC style.
13. Socket programming
14. Authentication and Authorization
15. Interceptor

Html

Css

JavaScript

jQuery : jQuery is a external library which provide lot of pre-defined function which internally connected to each other to do read, write and update operation very easily.

Library and framework

Backbone js

Coffee js

Ext JS

Node JS

Angular JS

Angular Framework

React JS

Vue JS

Node JS is not a library or not a framework. It is a run time environment for JavaScript programs.

Front end Team backend Team

HTML / HTML5 Java or Spring boot

CSS/CSS3 Asp.net

JavaScript with ES5 and ES6 Php

Bootstrap Python

jQuery CGI

Node JS

After node JS using JavaScript we can create client side as well as server side program or application.

Node JS provide lot of pre-defined module or external module which help to do the program using JavaScript like doing file handling programs, creating dynamic web application, creating REST API, connecting database etc.

Node JS module we can’t run on the browser.

Inside Node JS program we can’t use DOM(Document Object Model) and BOM (Browser Object Model).

Node REPL (Read Eval Print and Loop)

Node JS modules

Module in node JS is a simple or complex functionality organized in a single or multiple JavaScript file which can be re-use throughout the Node JS application.

3 types

1. Core module
2. Local module or user-defined module
3. Third party or external module

npm install typescript

npm install @angular/cli

syntax to load the module

var/let referencName = require(“moduleName”);

fs : file system module

fs is a type of core module which provide pre-defined API which help to do sync as well as async file handling program using JavaScript.

fs.writeFile(filePath,data,callback);

Read and write Json Data using JS module.

Node JS provide two pre-defined global object is

console

process