**Day 6 :**

**Node JS :** Node JS is a run time environment for JavaScript program or library or framework. Before Node JS we are/were running JavaScript program on browser inside script tag part of html page or external js file included in html page with help of src attribute. After node js we can run js file outside browser environment. With help of node js we can run js file using console.

**node --version**

node 🡪 it open node environment or REPL (read eval print loop).

In node js program no DOM as well as BOM. So we can’t use document.write(“Welcome to Node ”);

In place of document.write() we need to use console.log(“Welcome to node JS”);

Node JS provided module concept

Modules contains collection of variables, function, classes etc which help to specific functionality.

In node js modules mainly divided into 3 types.

1. Core modules : these module by default present in node js software.
2. User defined or custom module :
3. External modules : which we need to install with help of npm command.

After node JS, JS also known as client side as well as server side program.

MEAN Stack

SPA (Single Page Application)

Mongo DB/MySQL Express Module Angular Node Js

MERN Stack

Mongo DB/MySQL Express Module React JS Node Js

MEVN Stack

Mongo DB/MySQL Express Module Vue Node Js

Node JS provided lot of pre defined modules

fs modules it is a type of core module which help to do file handling operation in synchronous as well as asynchronous manner.

let/var objectname = require(“modulename”); ES5 style

http modules

all non node js server are thread base.

Event loop.

Client application ie Normal JavaScript

We can send the data to server using

get method

if we fill the form with method as get that information send through url using query param technique

[URL?emailid=akash@gmail.com&password=123](mailto:URL?emailid=akash@gmail.com&password=123)

We can use path param technique

URL/akash@gmail.com/123

post method

in post method our data send through body part.