**Day 1 : 09-01-2023**

System software : OS : window, unix, linux etc.

Application or software

To develop application software we need to learn

Programming language

Java, C#, python, etc.

Standalone application or desktop application

The application which running on one machine.

To run this application we required necessary software.

Java or C#

Web Application

<https://www.google.com> 🡪 Uniform resource locator

http: hypertext transfer protocol :

set of rules which help to communicate more than machine.

req(http/https)-----------🡪

Client Server

🡨-------Res(http/https) html/html5

Css/css3

JavaScript

JavaScript provide programming features on web page without server.

Browser provided plugin or parser to check the JavaScript code which we written inside script tag with help of html page.

JavaScript was object based interpreter scripting language which help to create dynamic web page as well as to do validation on client side.

Till ES5

But from ES6 onward JS also known as object oriented interpreter scripting language.

<form>

<label>Emailid</label>

<input type=”email” name=”email” required/>

</form>

Html 4

<!DOCTYPE html public url=<https://ww..asfsaf.sf.sd.dtd>/>

Dtd file hold the rules of html page.

Root tag name must be html which contains two tags

Head or body tag,

In html5 they removed the rules

<!doctype html>

object : object is an any real word entity

properties or state -🡪 have 🡪 variable or fields

Person

behavior 🡪do/does 🡪 function / methods

Bank

Animal

Car

Customer

To describe the object in JavaScript we can do in different

1. Function style
2. Literal style
3. Class style

ES5 Features

ES6 features

Till ES5 JavaScript we are creating user defined object in function style or literal class.

From ES6 onward we can create user defined object using class style.

**javascript function**

**function is use to do the re-usability.**

**function functionName() {**

**body of the function**

**}**

**axios**

**callback**

**closure**

**hosting**

Before Node JS JavaScript known as Client side scripting language.

This scripting language running on browser.

Using JavaScript we were not able to develop web application. Because with help of client side JavaScript we can’t store data in file, we can’t connect to database may be mysql or mongo db etc.

Server side technologies

Html, css and JavaScript

Java (JEE)

Servlet/jsp/spring framework

Asp.net

Php

Python

CGI

Node JS

After Node JS JavaScript is known as Client side as well as server side scripting language.

Node JS provided lot of modules that can be pre defined or user defined which help to do all task on service whichever we are doing using Java or asp.net or php etc.

Like store data in file, security, creating web service, connecting database etc.

**Day 2 : 10-01-2023**

Git : Git is open source tool which help to record the execution of the application.

Create one folder

Then create one text file and write some message.

Open the git bash inside that folder.

git init : to make local folder as a repository

git add filename : we can add only particular file to staging area.

or

git add . : adding all files and folder from current folder to staging area.

git commit –m “message” this command is use to push the file from staging area to local repository.