**Day 15:**

**Web Application**

Java

JavaSE JavaEE JavaME

Java Standard Java Enterprise Java Micro

Edition Edition Edition

Console or

Desktop base application

Awt or swing or JavaFX -🡪 GUI

JDBC

MySQL or oracle

Limitation of console or desktop application

1. To run that application we need software in every individual machine.
2. For this application only one client.
3. If we want to do any changes in application we need to update in every machine individually.

Web Application

http://[www.google.com](http://www.google.com) ---🡪 URL

http/https (req)------🡪

Client Server

🡨---http/https-----(res) html

css

bootstrap

JS

Html1 to html5 :

Hyper text markup language : which help to create the web pages.

CSS : Cascading style sheet:

**JavaScript** : which help to validation on client machine. We can do programming or coding on client machine.

DOM : document object model

DOM parser : we want to read, write and update html content dynamically.

JavaScript provided pre defined function to read, write and update html code dynamically. We do using java, python, C# etc.

JavaScript library or framework

jQuery : jQuery is external JS library which provided lot of pre defined function to read, write and update html content properly.

Angular or React JS or Vue JS etc.

JavaScript : JavaScript was object based interpreter scripting language till ES5 version . from **ES6** onward JavaScript also known as object oriented interpreter scripting language.

Client Side JS inside a html web page. This script tag we can write in between head or body tag. We can write more than one script tags.

<script type=”text/JavaScript”> opening tag

Programming.

</script> closing tag

In JS to declare a variable we can use the keyword as var, let and const etc.

Operator

If statement

Switch

Loop

function:

in JS we can write the function in different ways.

1. Normal syntax

function functionName(parameterList) {

function body;

}

Event : Event provide the bridge between JS and html code. Whenever use interact with any html tag different types of event generated. To handle those event we need to provide JavaScript function.

In JS all event start with pre-fix on followed by event name

onClick

onDblClick

onMouseOver

onMouseOut

onKeyUp

onKeyDown

onSubmit

onChange etc

Server Side JS(node js)