**Phase 4 :**

**Front end technologies**

**HTML and HTML5**

**CSS and CSS3**

**JS using ES5 and ES6 style**

**Adv JS**

**Function and types of functions**

**ES6 features let, const and var keywords**

**Pre defined object**

**String**

**Math**

**Arrays**

**Bootstrap**

**TypeScript**

**Angular Framework**

**HTML and CSS**

**HTML : Hyper text mark up language which is use to create the web page.**

**Web page is use to display the content on browser in different formats.**

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

**req (http/https)---------------------🡪**

**Client Server**

**🡨------res(http/https) HTML/HTML5**

**HTML provided lot of pre-defined tags or elements. Which help to create the web page.**

**HTML is not case sensitive.**

**Syntax**

**<tagName>**

**</tagName>**

**<html>**

**<head>**

**<title>Welcome to My Web Page</title>**

**</head>**

**<body>**

**<p>Welcome to My App</p>**

**</body>**

**</html>**

**IDE : VS Code :**

**6 heading tags start from h1 to h6**

**H1 largest**

**H6 smallest**

**Attribute : attribute is use to describe the properties of tags.**

**Attribute we can write in opening tag in the form of key-value pairs**

**<tag attributeName=”value”></tagName>**

**IN HTML4**

**<!doctype html public url=”sfasfasfasfasf.dtd”/>**

**Document type definition**

**In html5 they remove this rules and they provided few new tags which help to create dynamic web page with help of html.**

**<!doctype html>**

**CSS : Cascading style sheet :**

**CSS provide lot of pre-defined attribute which help to apply different formatting style for web page**

**With the help of css we can do separation of concern.**

**Types of CSS**

1. **Inline CSS**
2. **Internal CSS or Embedded CSS**
3. **External CSS**

**Inline CSS**

**Syntax**

**<tagName style=”property:value;property:value;”></tagName>**

**<p style=”color:red;”>Hello</p>**

**<p>**

**<font color=”red”>Hello</font>**

**</p>**

**Internal CSS or Embedded CSS**

**In between head tag we have to write style tag**

**<style>**

**Selector {property:value}**

**</style>**

**Types of selector**

1. **Universal selector : \* {property:value;}**
2. **Specific tag selector : tagName {property:value}**
3. **Multi specific selector tagName,tagName {property:value}**
4. **Local class selector tagName.className {property:value }**
5. **Global class selector .className{property:value}**
6. **Id selector : #idName{property:value}**
7. **Child selector : parenttagame childtagName {property:value}**

**Class selector Vs Id selector**

**Class is known as group of tags of same type or different types.**

**<p class=”abc” id=”a1”>First Para</p>**

**<p class=”xyz” id=”a2”>Second Para</p>**

**<p class=”abc” id=”a3”>Third Para</p>**

**<p class=”xyz” id=”a4”>Fourth Para</p>**

**External CSS**

**JavaScript : JavaScript was object based interpreter scripting language. Which provide programming features on web page.**

**We will learn JS using ES5 (ECMA ) European Computer Manufacture Association**

**ECMA is a concept and JS is a one of the implementation of ECMA or ES.**

**From ES6 JS also known as object oriented scripting language.**