**Java Script Notes:**

*Main purpose :* Scripting language. To create or run applications that run in browser. Prior to this, Java was used for this purpose by Java applets, but they required certain plugins to be enabled in the browser. This is client side

*Libraries :* Parallax.js, Angular.js,Three.js

You can execute javascript in firefox. Open up firefox,rightclick on and choose “Inspect Element”.Alternatively, you can choose webDeveloper -> Inspector.Then select settings and check “Scratch pad” from Default Developer Tools. Now you can write java script code in scratch pad and execute it.

How to add an element to the javascript array without knowing the number of elements.? arrayName.push(“”);// This will add the new element to the end of the array.

How to add an element to the javascript array if the number of elements is known.? arrayName[numberOfElements]=””;// This will add the new element to the end of the array.

*Creating a javascript file from scratch:*

Download “Brackets” text editor by doing a google search as “brackets.io”

*Three different types of objects :*

Host Objects : Objects defined by the environment in which the code is run. For example , web browser is one of the host env in which the java script code is run. Examples of host objects are Document, Window, Element, Console, Event, Node, Comment

Core Objects : Objects defined or built into java script code itself. Example : Math, String, Object, Boolean, Array, Date , Number

Objects defined by the coder

Press F12 in chrome to get the developer tools

“use strict” is used to strictly use a variable as a local variable in java script. If we don’t use this and use a variable without declaring it, it is considered as a global variable

JSLint is abuilt in tool in brackets for code formatting. It helps to fix all the java script coding issues.

Primitive Datatypes: String, Number, Boolean, Null, undefined