**Assignment 2**

**Ques 2 –** watch Ryan seddon & write summary 5 points -<https://www.youtube.com/watch?v=SmE4OwHztCc&ab_channel=JSConf>

ANSWER –

1. Browser works in like four steps –

rendering ,parsing ,layout and painting(how it actually gonna look).

1. Parsing HTML is comforting as its corrects our mistakes like tag errors.
2. <script> ,<link> ,<styles> will halt the parser as a script can alter the document.
3. Performance insight –

<script> tag should be in bottom cause

1. Parse interrupted
2. Its faster to render
3. It defer and async attributes

Now browser does rendering / frame tree – It combines the two object modules(DOM+CSSOM).

1. DOM node to render object

Layout is a recursive process.

1. Painting –

It produces a bitmap from each layer .

Bitmap is uploaded to the GPU as a texture .

Composites the textures into a final image to render to the screen.