 To summary 5 points:

* Parsing means analyzing and converting a program into an internal format that a runtime environment can actually run, for example the JavaScript engine inside browsers.
* Browser has a html passer and it convert into Dom(document object model) tree. HTML parsing involves tokenization and tree construction. HTML tokens include start and end tags, as well as attribute names and values.
* the browser encounters CSS styles, it parses the text into the CSS Object Model (or CSSOM), a data structure it then uses for styling.
* Parse our CSS and HTML that creates a DOM tree, the DOM tree then gets converted into a render tree so the CSS and the HTML combined.
* It’s actually four trees such as the layers, the line boxes, the render objects,and the render styles.
* The layout is a process which it computes where the elements will appear on the page, based on it’s relationship to other elements
* The painting is a process the image of that layer give you the visual output you are expecting on the page.