***“Mentor session”***

**Problem Statement:**

1. You are required to create a basic calculator using html,css and javascript to perform various calculations on a webpage.
2. You are required to create an advanced scientific calculator having functionalities to perform basic arithmetic operations and along with some scientific calculations like square,square root,log,cos,sin ,tan etc. using javascript along with html and css.

HTML, CSS and Basic JS.

JavaScript function and events.

Event : event provide the bridge between dom (html code) and JavaScript code.

It is an interaction between html and JavaScript code.

JavaScript provided lot of pre defined event and all event start with pre-fix on followed by event name.

onClick

onDblClick

onMouseOver

onMouseOut

onKeyUp

onKeyDown

onChange

onBlur

onFocus

onSubmit

etc

DOM : document object model

Index.html

Dom hierarchy created in browser memory

Html

Head body

Title div Welcome (textNode)

Script p

Style h1

Meta

Static web page.

DOM API (Document Object Model Application Programming interface). Lot of programming language provided function or method to read, write and update dom (html content) dynamically.

Java, asp.net, php, pyhton, js

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