Q: What is JavaScript?

A:

* Engine that make things move on a page
* By working with dynamic design elements
* Ranged language, It ranges from simple built in functions and statements and sophisticated coding
* It does not require any compiler or a degree
* It uses for web page interactivity
* JavaScript does/writes into HTML page

\* HTML web page is a static entity

\* onClick =” ” is an HTML attribute

\* onclick is a JavaScript

\* JavaScript has no its dynamic components

\* HTML relies on JavaScript to bring interactivity in web page

\* onMouseOver is an event attribute

\* HTML page cannot request from/to server

\* deffered means when necessary, for example a deffered script waits until the user something to make the script launch.

\* Immediate script means, it execute as soon as it loads

\* What is the difference between deffered and immediate script?

\* Most JavaScript is written in a tag container named script. ex- <script language=”javascript”> </script>

\* script container is required for most javascript

\* javascript must need its ending script tag

\* script can be written both in html head tag and body tag

\* HTML head tag javascript loads first

\* Most important features of JS, it has capability dynamic interactivity into web page

\* For any text or variable value display, we can use document.write() method

\* HTML tag can be written in JavaScript

\* For, alert() method

\* prompt(); takes value from user

\* bgColor=”#c09” ; onClick=”document.bgColor=’#c09’”

\* JavaScript is an interpreted language, scripting language

\* Parsing and interpreting is same

\* JS can handle complex task

\* JS is case-sensitive but HTML is not case sensitive

\* onClick, onMouseOver, onMouseOut are HTML attributes.

\* onclick, onmouseover, onmouseout are javascript attributes

\* javascript semicolon is optional

\* 21 no page, built in reserved words

\* JavaScript is weekly or untyped typed language

\* What do you mean by weekly typed about js?

\* Macromedia Dreamweaver, Adobe GoLive or Microsoft FrontPage are editors/IDE/tools can generate javascript for you.

\* Generate code / tools sometimes can malee code bloat

\* What are literals?

\* Core set of JavaScript literals are Numbers, Strings and Boolean

\* Numbers are fundamental data in most language

\* Numbers in JS are floating point

\* Scientific notation needs when big numbers are calculate

\* Hexadecimal are 16 base 0-9 and A-F

\* Hexadecimal can be color code by using # in front of 3/6 digit and Hexadecimal code

\* All calculation in Hexadecimal returns decimal value

\* String are text

\* Number { in a String are treated as Strings/text }

\* Escape Sequence for strings: \n, \”, \’ and \\

\* Boolean value: true or false, yes or no, 1 or 0

\* Objects are collection of properties

\* Functions as literals

\* undefined and null values

- var x; // undefined

- var x = null; // null value

\* Regular Expression refers RE

\* The meaning of RE literals is another matter

\* Normally RE literals are used with sequence a groups

\* Groups are used as [ ]

\* Sequence are used as -

\* RE is an advanced programming concept

\* Declaring and naming

\* Global and Local variables

\* Primitive and compound data