Web Programming Viva Notes by Ankit Kumar

HTML
Hyper text markup language
Jo sirf tag content karti h
HTML koi programming language nahin hai because ismein decision making ki ability nahin
hai

javascript
ek programming lang. H
js me html aur css ka use hota h

Script language
computer ke task ko automate karti h
Ex. javascript, python, php
types:
Server-side scripting
web server par code execute hota h
jo website ko dynamic banata hai.
Client-side scripting
browser par code execute hota h
jo website ko interactive banata hai

Dom
1. (Document Object Model)
2. Dom HTML aur XML documents ko tree structure mein organise karta hai
3. Dom web page k elements ko access aur modify karta h

Applet
ek chhota program hota hai
jo web browser ya application mein chhote tasks ko perform karne ke liye run hota h

Java
object-oriented programming language h
Jo app develploment me use hoti h
JavaScript
Dynamic scripting language hai
jo web development mein use hoti hai.

JSP java server page
1. JSP Java aur html code me likha hota h
2. Jsp dynamic web page banata h
jisse server par run karte h,
web app bnane k liye use hota h

Servlet
Servlet ek Java program hota hai jo web server par chalta hai
3. Servlet HTTP request ko process karta hai

4. Servlet dynamic web page banata hai

Http
HTTP (HyperText Transfer Protocol) ek protocol hai
http web browsers aur servers ke beech data transfer karta h

Internet
Bhot sare interconnected computers ka network h

Intranet
Kuch limited computers ka network hota h

Webpage
internet par dikhayi deta hai jismein text, images, sound, aur videos hoti hain.

Js features
Dynamic Typing, Cross-platform, Flexible Syntax, Integrated with HTML/CSS
Object-oriented and Functional Programming, Browser Integration, security,

Tag
HTML tags web pages ke structure ko define karte hain
aur har tag ek specific element ko represent karta hai
Ye tags angle brackets (<>) ke beech me aate hain

<html> tag
HTML document ka root element hai
jise har HTML document mein include kiya jata hai

anchor tag
web page me link banane k liye hota h

Text editor
ek software hota hai jisme text likhte hain, edit karte hain, aur save kar sakte hain.

Browser
ek software hota hai jo internet par websites ko access aur view karne ke liye istemal hota hai.

XML
1. (Extensible Markup Language)
2. Xml ek markup language hai jo data ko structure format mein store aur transport karta h
4. XML mein khud ke tags create kar sakte h

Embedded style sheet
Css ki coding ko HTML me <style> tag k andar likha jata hai

<head> tag

webpage ke metadata ko define karta hai, jisme title, stylesheets, scripts, ko dalte h

<title>
webpage ka title define karta hai

Website footer
website ka neeche wala hissa hota hai jahan par copyright, contact info, aur dusre zaroori links diye jaate hain.

HTML ka basic structure
HTML
Head
Title
body
foot

<body> tag
webpage ke actual content ko represent karta hai, including text, images, links, forms

Copyright

Website header
Site ka upper ka hissa hota h jo website ka title, logo, navigation links, aur contact info show karta hai.

Website menu
ek list hoti hai jisme links hote hain jo website ke alag-alag pages tak le jaate hain.

Block element
jo apne aas paas ke elements ko neeche ki taraf push karta hai aur poora space le leta hai jaise <div> ya <p>.

Heading tags
<H n>
<h1>
sabse bada heading hota hai
<h2>, <h3>, aur <h6> sabse chhota.

<p>
Paragraph start karne k liya hota h

Format tags
<b>
bold text
<i>
italic
<u> </u>
underline

Text ko agli line se likha jata h
<hr>
ek webpage mein ek horizontal line banane ke liye hota h
<center>
Text ya image ko center me align karta h

What Tag will be used to jump from one document to another after Click?
HYPERLINK
<a>
Hyperlink k liye use hota h site ki link add karne k liye

Iframe
jo webpage ke andar dusre webpage ko embed karta h
ek HTML tag hota hai

Inline element
Ek line per multiple editing karna Jaise Ek text ko Italic bold aur underline karna

"Div"
ek box jaisa hota hai jo web page par cheezon ko arrange karne karta hai.

Span
Spaces nhi leta h

How to insert Image in Web Document?
<img>, </img>
<img src = " ">
Image ko insert karte Hain
src = image ka path k liye hota h

css
cascading style sheets
ek stylesheet language hai jisme html ka use hota h
css types
Inline
Coding html elements k line me likhe hote h
Internal
Code head tag k beech me likhe hote h
External
Code seperate files me likhe hote h, html file me linked hote h link k saath

ID attribute
ek unique element hota hai
 jo element ko identity deta h usse style ya control karne k liye

Class attribute

Group of instance
jo class ke har object ke liye common hota hai. Matlab,
sabhi objects usi value ko share karte hain.

Grouping
elements को एक साथ organize kiya jata h
जैसे <div> और <section> tags का use hota h

Id selector
ID selector एक unique identifier होता है
specific element को style या manipulate karta h

Contextual selector
ek element ko uske parent ya aaspaas ke elements ke basis par style karna.

Property
attribute hota hai jo kisi element ko behavior deta hai, jaise ki `color`, `size`, ya `href` links
ke liye.

What are the necessities of using html forms ?
Gathering user information
Conducting surveys
Interactive services

What are the sequence of steps for each http request from a client to the server ?
Making the connection
Making a request
The response
Closing the connection

Frameset
<frameset> ek tag hai jo ek webpage ko alag-alag hisso (frames) mein divide karta hai
jisme har part alag content dikha sakta hai.

Comment
<!-- - ->

Doctype
jo browser ko batata hai ki HTML ka kaunsa version page mein use ho raha hai.

How do we align a table to the right or left
Float tag ka use karte h
Float: left;

How do we open a link into a new window
`<a href="URL" target="_blank">Link</a>`.

What are the advantages of jsp over servlet
JSP zyada aasan hai kyunki yeh HTML aur Java code ko alag rakhta hai, automatic compile hota hai, aur custom tags aur built-in objects ka use karne ka option deta hai, jo Servlets se simple hai.

What is the life cycle of jsp
JSP ka life cycle mein translation, compilation, loading, initialization, request handling aur phir destruction hota hai jab JSP ka use nahi hota.