HTML 4 & 5

1.What are the semantic tags

It clearly describes its meaning to both developer and the browser. Example <form> <table> <article>

2.Difference between 4&5 versions in HTML

The differences include

* Audio and Video were not a part of HTML5
* Geolocation is another feature of HTML5, that helps locating the user easily using GPS, ip address and also via Wi-Fi and Bluetooth.
* HTML5 is supported by all important browsers.
* In HTML4, browser cache was used as temporary storage. But in HTML5, application cache, web SQL database and web storage is used.

3.Audio and Video tags

Audio and Video are new to HTML5. Older versions of HTML do not support it.

There are two different ways to specify the URL of the audio file.

i) audio src

<audio src="Titanic\_audio.mp3"controls>

ii) <audio controls>

<source src="Titanic\_audio.mp3" type="audio.mpeg">

<source src="Titanic\_audio.ogg"type="audio.ogg">

</audio>

The same thing for the video but the mp3 is replaced with mp4. Whenever the audio or video element does not support then automatically it will go no another one.

4.Form input type properties related to HTML5.

.form .autofocus .list .multiple .formmethod .formaction .placeholder .formenctype .autocomplete .novalidate .required .formnovalidate .formtarget .pattern

5.HTML5 API

CSS 2&3

1.Difference between 2 and 3 versions of css

CSS3 is the advanced version of CSS2. CSS3 has new properties like text shadow, multiple background images, animations etc. Some new features are combinator, CSS Selectors, Pseudo-elements and style properties.

2.What are the positions in CSS

Static, Relative, Absolute, and Fixed

3.How to change position of background image

Background-position: *value;*

The value can either be in pixels (100px 5px), percentages (100% 10%) or can be keywords (top left, top right, center)

4.What are the pseudo classes and elements

Pseudo classes are used to define a special state of an element like styling an element when a user focuses on it with a mouse, or styling a visited or unvisited link differently.

Pseudo elements are used to style specified parts of an element. For example, styling the first letter, or line of an element.

5.Difference between transitions and transforms

Transitions allows property changes in CSS values. CSS Transforms allows elements styled with CSS to be transformed in two-dimensional or three-dimensional.

6. How to wrap text

The word-wrap property allows long words to be broken and wrap onto the next line.

object.style.wordWrap="break-word"

7. What is Box model

8. Margin, padding and float and clear?

JavaScript

1. OOPS in JavaScript

The following are the 4 pillars of any object oriented programming language.

i) inheritance ii) Encapsulation iii) Abstraction iv) Polymorphism

2. How to create class in JavaScript

class person (name, gender)

{

this.name = name;

this. gender = gender;

this.getInfo = function()

{

return this.color + ‘ ‘ + this.type + ‘ name’ ;

}

}

3.Encapsulation in JavaScript

Encapsulation is the process of wrapping the data i.e., hiding the implementation details from the user.

4.Closure property in JavaScript

Closure is a function having access to the parent scope, even after the parent function has been closed,

5.What is prototype in JavaScript

Objects created using an object literal, or with new object(), inherit from a prototype called object.prototype. Objects created with new Date() inherit the Date.prototype

7. How to create element using JavaScript

Method createElement() creates an Element Node with specified node.

var btn = document.createElement ("Button");

8.DOM Elements

A DOM element is something like DIV, HTML, BODY element on a page.

9.Design patterns in JavaScript

i)Module ii) prototype iii) observer iv) singleton ..?

10.How to write validation in Java Script

function validateForm() {

var x = document.forms["myForm"] ["frame"].value;

if (x == null ll x =="") {

alert ("Name must be filled out");

return false;

}

}

11.Check regular expressions in JavaScript

Regular expression is a sequence of characters that forms a search pattern. When we search for data in a text, we can use this search pattern to describe what we are searching for.

12.Event building

Events are created using Event constructor.

var event -= new Event ('build');

//listen for the event

elem.addEventListener('build', function (e) {...}, false);

//Dispatch the event

elem.dispatchEvent(event);

JQuery

1.Difference between append and prepend

append() inserts specified content at the end of the selected elements whereas prepend() inserts content at the beginning.

2.Difference between after and before

.after() puts the element after the selected element

.before() puts the elements before the selected elements

3.What is document.ready function

A page cannot be manipulated safely until the document is ready. Code included $( document).ready() will only run once the page document object model (DOM)is ready for JavaScript code to execute.

4.Difference between load and ajax and get and post functions related to ajax

ajax loads data in the background and displays it on the webpage without reloading the whole page.

load is a powerful AJAX method that loads the data from a server and puts the returned data into the selected element.

get requests data from a specified source and post submits the data to be processed to a specified resource.

Ajax

1.What is ajax

AJAX is a concept. Ajax is a client based script that communicates to and from a server/database without the need for a complete page fresh.

2.What are the classes are existed

3.What are the properties are existed.

Bootstrap

1. What is Bootstrap

Bootstrap is the most popular HTML,CSS and JS for developing or creating websites.

2.How to add grid in bootstrap

First a container must be created, and next a row must be created. Then the desired number of columns must be added.

3.How to use table classes

.table adds basic styling to any <table>

.table-stripped adds zebra-striping to any table row within <tbody>

.table-hover enables a hover state on table rows within a <tbody>

4.How to get responsive for images and tables

Images comes in all sizes. Responsive images automatically adjust to fit the size of the screen by adding .img-responsive class to the <img> tag.

5. Grid in bootstrap?

Angular JS

1.What is Angular JS

Angular JS is a powerful framework. It is used in single page application (SPA).It extends HTML DOM with additional attributes and makes it more responsive to user actions.

2.How to write custom directives

.directive function is used to create custom directives.

3.How to prepare custom services

Services can be created by registering the service’s name and service factory function, with an Angular module. The service factory function generates the single object or function that represents the service to the rest of the application

4.How to prepare custom filters

.filter() method is used to create custom filters.

5.What is $ http and $ source

$http facilitates communication with the remote HTTP servers and

Read more AngularJS notes in [**https://www.tutorialspoint.com/angularjs/angularjs\_interview\_questions.htm**](https://www.tutorialspoint.com/angularjs/angularjs_interview_questions.htm)

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