

OCEONICITSOLUTION
PVT.LTD.
VARANASI



HTML

- What is HTML?
- What is a Web Browser?
- What are Versions of HTML?
- What can You Do with HTML?
- HTML Development Environments
- Writing Code with a Text Editor
- Publishing Documents

Review of HTML Elements •

Rules of Syntax

- Making your Code Readable
- Making your Code XHTML Compliant
- Building a Document
- Using Colors
- Adding Color to your Page
- Using Headings
- Using Paragraphs
- Aligning Block-Level Elements

Inserting Spaces and Line Breaks

- Displaying Preformatted Text
- Formatting with Inline Elements
- Controlling Fonts
- Introducing List Elements
- Creating Unordered Lists
- Creating Ordered Lists
- Nesting Lists

What is an HTML Table?

- Building a Table
- Cell Padding and Cell Spacing
- Controlling Table and Cell Width
- Aligning a Table on the Page
- Aligning Tables and Text
- Aligning Table Data
- Spanning Columns and Rows
- Nesting Tables
- Using Tables as a Design Tool

Creating a Hyperlink

- Understanding and Using URLs
- Linking to a Web Document
- Linking to a Local Document
- Linking to Anchors
- Opening a New Browser Window

Image Formats

- Optimizing Image and File Size
- Inserting Inline Images, ImageMap, Sprite Image
- Aligning and Formatting Images
- Using Images to Anchor Links
- Creating a Look-and-Feel
- Sizing and Scaling Images
- Using Transparent Images
- Using GIF Animation

Forms and Controls

- Forms , Form Elements
- Form Actions, Form Methods , Form Design

CSS 3

Introduction to CSS 3

Border

- border-image
- border-radius

CSS Shadows

- Text-shadow
- Box-shadow

Background

- background-clip
- background-size
- background-origin
- background-image

Outline Transitions

- transition
- transition-delay
- transition-duration
- transition-property
- Contrast
- Grayscale

2D Transforms

- transform
- matrix()
- translate(x,y)
- scale(x,y)
- rotate(angle)
- skew(x-angle,y-angle)

3D Transforms

- transform
- transform-style
- perspective
- transform-origin

Animations

- @keyframes
- animation
- animation-direction
- animation-duration
- animation-name

Selectors

- CSS combinations
- Pseudo Elements

Gradients

- Linear Gradients
- Radial Gradients

Multiple Columns

- column-count
- column-fill
- column-gap
- column-width
- columns
- column-rule
- column-rule-color
- column-rule-style
- column-rule-width

- Hue-rotate
- Invert
- Opacity
- Saturate
- Sepia

Media Query

- What is Responsive Web Design
- Intro to the Viewport
- The Viewport Tag
- Media Queries
- Fluid Layouts
- Tablet Styles
- Mobile Styles
- Making a Mobile Drop-down Menu
- Responsive Images & Polyfills

Web Fonts

- @font-face
- font-family
- src
- font-stretch
- font-style
- font-weight

Flexbox

- flex-grow
- flex-shrink
- flex-basis
- flex
- flex-wrap
- flex-direction
- flex-flow
- justify-content
- align-items
- order

- Assignment
- Comparison
- Logical
- Relational
- Ternary

Conditional Statements

- If else
- if...else if...else
- nested if
- Switch

Loops

- While
- do...while
- for
- for...in Statement
- Break
- Continue

Functions

- User-defined Functions
- Function Syntax
- Function with Arguments
- Returning Values from Functions
- Built-in Function

Events

- Introduction
- Mouse
- Events
- Keyboard Events
- Form Events
- Document/Window Events

Built-in Objects

- Number
- Strings
- Math
- Arrays
- Associative
- Array
- Array Properties and Methods
- Date
- Boolean
- Regexp

Introduction to OOP concept

- Prototype, Module pattern
- Argumenting type

JavaScript

Introduction to JavaScript

- Syntax
- Statements
- Comments

Enabling in various browsers Popup Boxes

- Alert
- Confirm
- Prompt

Variables Operators

- Arithmetic
- ES 6 Introduction
- Let & Const
- Arrow Functions
- Class and Inheritance
- Rest and Map Operators
- Export & Import & Modules

JQuery

- Getting Started with jQuery
- Selecting Elements
- Manipulating the Page
- Traversing the DOM and Chaining
- jQuery Utility Methods
- Handling Events and Event Delegation & AJAX, JSON and Deferreds
- Enhancing with Animation Effects
- Grids , Tables with Ajax , Pagination, JQuery UI
- jQuery Best Practices

HTML 5 Introduction

Laying out a page with HTML5

- Page Structure
- New HTML5 Structural Tag
- Page Simplification

HTML5 How we got here

- The Problems HTML 4 Addresses
- The Problems XHTML Addresses
- New Features of HTML5
- The HTML5 Spec(s)
- Current State of Browser Support

- Closure

HTML5 FORMS

- Modernizer
- New Input Types

HTML5 NEW FORM ATTRIBUTES

- autocomplete
- no validate

HTML5 NEW FORM FIELD ATTRIBUTES

- required
- placeholder
- autofocus
- autocomplete
- form
- pattern

NEW FORM ELEMENTS

- datalist
- progress and meter

HTML5 WEB STORAGE

- Overview of HTML5 Web Storage
- Web Storage
- Other Storage Methods

HTML5 CANVAS

- Getting Started with Canvas
- Drawing Lines
- Color and Transparency
- Rectangles
- Circles and Arcs
- Quadratic and Bezier Curves
- Images
- Text

INTEGRATED APIS

- Offline Application API
- Drag and Drop API

BootStrap 4

Introduction

- Introduction
- Quick Styles After Dark

SECTIONS AND ARTICLES

- The section Tag
- The article Tag
- Outlining [↻](#) Accessibility

HTML5 AUDIO AND VIDEO

- Supported Media Types
- The audio Element
- The video Element
- Accessibility
- Scripting Media Elements
- Dealing with Non-Supporting Browsers
- Our First Web Page [↻](#) What's Inside?
- Scripts and Styles
- Core Concepts
- Summary

Layout with Bootstrap

- Introduction [↻](#) Grid Layouts
- Simple Layout
- Fixed Grids
- Fluid Grids
- Responsive Design
- Responsive Utilities
- Inspiration
- Summary

Everyday Bootstrap

- Introduction
- Typography
- Tables
- Forms
- Buttons
- Images and Icons
- Summary

Bootstrap Component

- Introductions
- Drop down Menu
- Buttons with Menus
- Tabs and Pill
- The Navbars
- Heros, Badges, Labels, and Media
- Summary

Bootstrap and JavaScript

- Introduction

- More Buttons
- Modals
- Tooltips and Popovers
- Carousel
- Summary

Developing a MINI Project
Website Hosting

