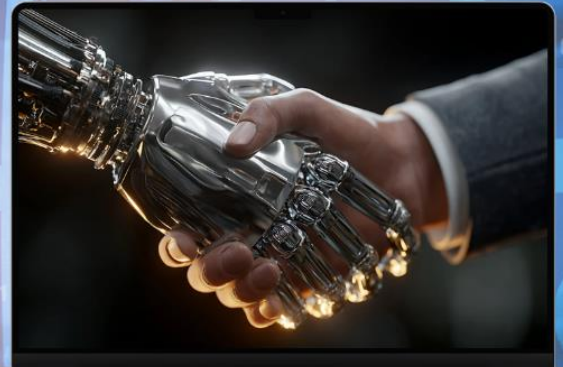




# AMA COMPUTER ACADEMY HTML WITH CSS



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# OCOC HTML with CSS

## Introduction of the Course:

The HKCL HTML with CSS Course is designed to provide a comprehensive understanding of web development fundamentals. It covers key topics such as HTML structure, CSS styling, and JavaScript programming, enabling students to create visually appealing, interactive, and responsive websites. The course also emphasizes practical application through case studies and real-world projects, ensuring learners gain hands-on experience in building and deploying web applications.

## Objectives of the Course:

The objective of this course is to provide a comprehensive understanding of web development fundamentals. It covers the basics of HTML, CSS, and JavaScript, equipping learners with the skills to create, style, and enhance interactive web pages. The course emphasizes hands-on practice, teaching advanced techniques like responsive design, animations, scripting, and web hosting, preparing participants to develop modern, functional websites.

## Outcomes of the Course:

- **HTML Proficiency:** Understand and apply core HTML concepts, including tags, elements, attributes, forms, tables, multimedia, and advanced HTML5 features.
- **CSS Styling:** Master CSS for styling and formatting web pages, including layout design, animations, transformations, and advanced features like flexbox and grid.
- **JavaScript Fundamentals:** Gain basic programming skills with JavaScript, covering functions, loops, object-oriented programming, and form validation.
- **Web Development Integration:** Learn how to integrate HTML, CSS, and JavaScript to build interactive and visually appealing web applications.
- **Advanced Web Techniques:** Explore advanced concepts like DOM manipulation, cookies, responsive design, and working with GitHub for web hosting.
- **Practical Application:** Apply knowledge through case studies and real-world projects, enhancing problem-solving and development skills.
- **Development Tools:** Use DevTools effectively for debugging and optimizing web pages.

## Course Syllabus:

Topic	Sub-Topics
Internet	Introduction to Internet
	Communication over Internet
Introduction to Web Publishing or Hosting	Introduction to Website
	Web Hosting Process
HTML	Markup Language
	Fundamentals of HTML
HTML Structure	Basic HTML Page Structure
	HTML Tags Basics
HTML Tags	Basic HTML Tags
	Types of HTML Tags
Phrase Tags in HTML	HTML Phrases
	Types of Phrase Tags
HTML Elements and Attributes	HTML Elements
	HTML Attributes
Formatting of HTML Page	Introduction to Formating
	HTML Formatting
HTML Meta Tag	Fundamental of Meta Tag
	Working with Meta Tag
HTML Image	Image Tag
	Clickable Images
	Images in HTML

HTML Link	Introduction to Links
	Working with HTML Links
HTML Multimedia	Multimedia
	Audio and Video in HTML
	More about Multimedia
List in HTML	Introduction to List
	Types of Lists
HTML Table	Table Fundamentals
	Properties and Attributes of Table
HTML Block	Introduction to Block Element
	DIV Tag and Span Tag
HTML Form	Introduction to Form
	Working with Form
HTML Frame	Frames and Use of Frames in Webpage
	Framesets and Nested Framesets
	Links between Frames
	Working with Iframes
	Page Layout Elements- I
	Page Layout Elements- II
	Assisted Demo on Layout Elements
HTML SVG	SVG Basics
	Working with SVG
Coding Links	Coding Links

	Hyperlinks
	More Information on Links in HTML
HTML Styling and Comparison between HTML, CSS and JavaScript	HTML Styling
	HTML with CSS
	HTML with JavaScript
	CSS with JavaScript
	Comparison between HTML and HTML with CSS
Advanced HTML	HTML5
	Advanced HTML
Introduction to CSS	Introduction to CSS Part 1
	CSS Cheat Sheet
How to Load CSS	Loading CSS Part- 1
	Loading CSS Part- 2
CSS Selectors	Element, Class and ID Selector
	CSS Combinators
	Pseudo-Class Selectors
	Pseudo-Element Selectors
	Assisted Demo on CSS Selectors
More Options in CSS	CSS Color
	Other Options
CSS Background	CSS Background
CSS Border and Margin	CSS Border

	CSS Margin
CSS Display Positioning	CSS Display Positioning
CSS Padding	Introduction to Padding
	Padding of a Webpage
CSS Height and Width	CSS Height
	CSS Width
CSS FlexBox	CSS FlexBox
CSS Box Model	CSS Box Model
Formatting Text with CSS	Text Formatting in CSS
	Text Alignment and Text Indent in CSS
	CSS Text Decoration
	CSS Color Property for Text
	CSS Text-Shadow Property
	CSS Letter-Spacing Property
	Assisted Demo of Formatting Text using CSS
	Assisted Demo on Decoration and Transformation
CSS List Properties	CSS List Properties
CSS in Animation and CSS Grid	CSS in Animation and CSS Grid
DevTools	DevTools Introduction
	Working with DevTool
Advanced CSS	Advanced CSS
	Case Study
Case Study	HTML and CSS Integration

	Showcase
	About
	Features
	Services
	Pricing
	Footer
Scripting Language	Introduction to Scripting Language
	Understanding JavaScript
Introduction to JavaScript	JavaScript Part 1
	JavaScript Part 2
Basic Programming Techniques	Data Types, Literals and Variable
	Array
JavaScript- Operator and Expression	JavaScript- Operator and Expression
Loops	Fundamentals of Loops
	Loop Structure
JavaScript- Loops- if then else, for, while	JavaScript- Loops
	Flowchart
Functions in JavaScript	Introduction to Functions
	Types of Functions
	Function Parameters
Advanced Functions in JavaScript	Advanced Functions in JavaScript
Dialog Box	Introduction to Dialog Box
	Types of Dialog Box

Basics of Class and Object	Class
	Object
	Class Attributes
DOM	DOM
Form Object in JavaScript	Form Object Introduction
	Form Element and Method
	Built-in and User Defined Object
CSS Form Elements and JavaScript Reflex Object	CSS Form Elements
	JavaScript Reflex and Methods of JavaScript Reflex Object
Cookies	Introduction to Cookies
	JavaScript Cookie
CSS Manipulation using JavaScript	Manipulation
JavaScript OOPs	JavaScript OOPs Concept
OOPs Concept- Inheritance and Polymorphism	Inheritance
	Polymorphism
OOPs Concept- Abstraction and Encapsulation	Abstraction Introduction
	Encapsulation
	Abstraction and Encapsulation
Working with JavaScript	Form Validation
Libraries in JavaScript	Introduction to Libraries
Advanced JavaScript	Advanced JavaScript
Putting HTML Website on Internet	Introduction to GitHub
	Working in GitHub

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