Introduction to CSS ( Cascading Style Sheets )

Learning Objectives:

•Selectors

•Box Model

•Backgrounds and Borders

•Image Values and Replaced Content

•Text Effects

•2D/3D Transformations

•Animations

•Multiple Column Layout

•User Interface

[ Special Effects with CSS ]

[ Adding Rounded Borders to Text Content ]

<!DOCTYPE html>

<html>

<head>

<style>

div {

border: 2px solid #a1a1a1;

padding: 10px 40px;

background: #ffccff;

width: 300px;

border-radius: 25px;

}

</style>

</head>

<body>

<div>The border-radius property allows you to add rounded corners to elements.</div>

</body>

</html>

[ Adding Square Borders to Text Content ]

<!DOCTYPE html>

<html>

<head>

<style>

div {

width: 300px;

height: 100px;

background-color: darkblue;

box-shadow: 10px 10px 5px #888888;

color: white;

}

</style>

</head>

<body>

<div><br>&nbsp;&nbsp;&nbsp;My name is Bond ... James Bond!<br></div>

</body>

</html>

[ Navigation Schemes ]

<!DOCTYPE html>

<html>

<body>

<ul>

<li><a href="#home">Home</a></li>

<li><a href="#news">News</a></li>

<li><a href="#contact">Contact</a></li>

<li><a href="#about">About</a></li>

</ul>

<p>Note: We use href="#" for test links. In a real web site this would be URLs.</p>

</body>

</html>

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Introduction to JavaScript

Learning Objectives:

JS Introduction

JS Output

JS Syntax

JS Statements

JS Comments

JS Variables

JS Operators

JS Data Types

JS Functions

JS Numbers

JS Math

JS Dates

[ Declaring Variables ]

var a = 10;  
var b = 20;  
var c = a + b;

[ Writing JavaScript Commands to an HTML Document ]

<!DOCTYPE html>

<html>

<body>

<p id="demo"></p>

<script>

var a = 10;  
var b = 20;  
var c = a + b;

document.getElementById("demo").innerHTML = "the value of variable c is : " + c;

</script>

</body>

</html>

[ JavaScript Concatenation ]

<!DOCTYPE html>

<html>

<body>

<h1>JavaScript Operators</h1>

<p>The + operator concatenates (adds) strings.</p>

<p id="demo"></p>

<script>

txt1 = "What a very ";

txt2 = "nice day";

document.getElementById("demo").innerHTML = txt1 + txt2;

</script>

</body>

</html>

[ JavaScript ]

[ Today ]

<!DOCTYPE html>

<html>

<body>

<p id="demo"></p>

<script>

document.getElementById("demo").innerHTML = Date();

</script>

</body>

</html>

[ Good Day ]

<!DOCTYPE html>

<html>

<body>

<p>Display "Good day", only if the time is less than 20:00:</p>

<button onclick="myFunction()">Try it</button>

<p id="demo"></p>

<script>

function myFunction() {

if (new Date().getHours() < 20) {

document.getElementById("demo").innerHTML = "Good day";

}

}

</script>

</body>

</html>