1.Create a webpage using html tags.

<!DOCTYPE html>

<html>

<head>

<title>My Webpage</title>

</head>

<body>

<header>

<h1>Welcome to my webpage!</h1>

</header>

<p>This is some text on my webpage.</p>

<footer>

<p>Copyright © 2023 My Webpage</p>

</footer>

</body>

</html>

2. Create a javascript program to get numbers from the user and print odd numbers and even numbers.

let numbers = prompt("Enter some numbers separated by commas:");

let arr = numbers.split(",");

let evenNumbers = [];

let oddNumbers = [];

for (let i = 0; i < arr.length; i++) {

if (arr[i] % 2 === 0) {

evenNumbers.push(arr[i]);

} else {

oddNumbers.push(arr[i]);

}

}

console.log("Even numbers: " + evenNumbers.join(", "));

console.log("Odd numbers: " + oddNumbers.join(", "));

3.Create a html page change the position of the element relative to the parent element and relative to itself using relative poistioning with css file.

<!DOCTYPE html>

<html>

<head>

<title>Relative Positioning Example</title>

<style>

.parent {

position: relative;

width: 300px;

height: 300px;

background-color: #eee;

}

.child {

position: relative;

left: 50px;

top: 50px;

width: 100px;

height: 100px;

background-color: #f00;

}

</style>

</head>

<body>

<div class="parent">

<div class="child"></div>

</div>

</body>

</html>

5.Write a html program using class selector css

<!DOCTYPE html>

<html>

<head>

<style>

.example {

color: blue;

font-size: 20px;

}

</style>

</head>

<body>

<h1 class="example">This is a heading</h1>

<p class="example">This is a paragraph.</p>

</body>

</html>

6. Create a html webpage and change the position of the element float to get two elements to float over each other using float positiong with css.

<!DOCTYPE html>

<html>

<head>

<style>

.left {

float: left;

width: 50%;

background-color: lightblue;

}

.right {

float: right;

width: 50%;

background-color: lightgreen;

position: relative;

top: -60px;

}

</style>

</head>

<body>

<div class="left">

<h2>Left</h2>

<p>Some text..</p>

</div>

<div class="right">

<h2>Right</h2>

<p>Some text..</p>

</div>

</body>

</html>

7. i) Write a javascript page to find the exponential value

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Exponential Value</h2>

<p>Click the button to find the exponential value of 5:</p>

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

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

<script>

function myFunction() {

var x = 5;

document.getElementById("demo").innerHTML = x.toExponential();

}

</script>

</body>

</html>

ii) Write a javascript page to find the limit the number of digits after the decimal value.

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Limit Decimal Value</h2>

<p>Click the button to limit the decimal value of 5.6789:</p>

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

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

<script>

function myFunction() {

var x = 5.6789;

document.getElementById("demo").innerHTML = x.toFixed(2);

}

</script>

</body>

</html>

iii) Write a javascript page to convert a number to string

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Convert Number to String</h2>

<p>Click the button to convert the number 123 to a string:</p>

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

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

<script>

function myFunction() {

var x = 123;

document.getElementById("demo").innerHTML = x.toString();

}

</script>

</body>

</html>

iv) Create a javascript to find return negative infinity using number object

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Return Negative Infinity</h2>

<p>Click the button to return negative infinity:</p>

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

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

<script>

function myFunction() {

var x = Number.NEGATIVE\_INFINITY;

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

}

</script>

</body>

</html>

8.Create a program for email validation using javascript

<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Email Validation</h2>

<p>Enter an email address and click the button to validate it:</p>

<input type="text" id="email" name="email"><br><br>

<button onclick="validateEmail()">Validate Email</button>

<p id="result"></p>

<script>

function validateEmail() {

var email = document.getElementById("email").value;

var pattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;

if (email.match(pattern)) {

document.getElementById("result").innerHTML = "Valid email address!";

} else {

document.getElementById("result").innerHTML = "Invalid email address!";

}

}

</script>

</body>

</html>

9.Create html page add GIF image and alter the heights, width, transpirancy, transition.

<!DOCTYPE html>

<html>

<head>

<style>

img {

opacity: 0.5;

transition: opacity 0.5s;

}

img:hover {

opacity: 1;

}

</style>

</head>

<body>

<h2>HTML Page with GIF Image</h2>

<p>Here's a GIF image:</p>

<img src="https://media.giphy.com/media/3o7TKMt1VVNkHV2PaE/giphy.gif" alt="GIF Image" style="width:500px;height:500px;">

</body>

</html>

10.Create a webpage and perform animation effect include radio buttons and mapping according to the picticure.

<!DOCTYPE html>

<html>

<head>

<title>Animation and Image Mapping</title>

<style>

#container {

position: relative;

width: 400px;

height: 400px;

border: 1px solid black;

overflow: hidden;

}

#box {

position: absolute;

width: 50px;

height: 50px;

background-color: red;

transition: all 0.5s;

}

</style>

<script>

function moveBox() {

var box = document.getElementById("box");

box.style.transform = "translate(300px, 300px)";

}

</script>

</head>

<body>

<h1>Animation and Image Mapping</h1>

<div id="container">

<div id="box"></div>

</div>

<br>

<input type="radio" name="animation" onclick="moveBox()">Move Box

<br><br>

<img src="your-image.jpg" alt="Your Image" usemap="#image-map">

<map name="image-map">

<area shape="rect" coords="0,0,100,100" href="https://www.example.com/page1.html" alt="Page 1">

<area shape="rect" coords="100,0,200,100" href="https://www.example.com/page2.html" alt="Page 2">

<area shape="rect" coords="200,0,300,100" href="https://www.example.com/page3.html" alt="Page 3">

<area shape="rect" coords="300,0,400,100" href="https://www.example.com/page4.html" alt="Page 4">

</map>

</body>

</html>

11.Create a webpage using CSS for internal style sheet

<!DOCTYPE html>

<html>

<head>

<style>

body {

background-color: lightblue;

}

h1 {

color: white;

text-align: center;

}

p {

font-family: verdana;

font-size: 20px;

}

</style>

</head>

<body>

<h1>This is a heading</h1>

<p>This is a paragraph.</p>

</body>

</html>

12.use html table property to display the marks of the students

<!DOCTYPE html>

<html>

<head>

<title>Student Marks</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid black;

padding: 8px;

text-align: left;

}

th {

background-color: #f2f2f2;

}

tr:nth-child(even) {

background-color: #dddddd;

}

</style>

</head>

<body>

<h2>Student Marks</h2>

<table>

<tr>

<th>Student</th>

<th>Subject</th>

<th>Marks</th>

</tr>

<tr>

<td>John</td>

<td>Mathematics</td>

<td>85</td>

</tr>

<tr>

<td>Alice</td>

<td>Science</td>

<td>92</td>

</tr>

<tr>

<td>Mike</td>

<td>English</td>

<td>78</td>

</tr>

<!-- Add more rows for other students and subjects -->

</table>

</body>

</html>

13.write html program to box model

<!DOCTYPE >

<html lang="en">

<head>

<meta charset="UTF-8">

<title>CSS Box Model Example</title>

<style type="text/css">

.example1 {

width:220px;

background-color: yellow;

padding:0px;

border:0px;

margin:0px; }

.example2 {

width:220px;

background-color: yellow;

padding:10px;

border:5px solid black;

margin:40px; }

.example3 {

width:220px;

padding:0px 4px 40px 100px;

margin: -28px 0 -10px 100px;

background: #FF0;

border-top: 1px solid #000;

border-right: 4px dashed #900;

border-bottom: 8px double #60F;

border-left: 16px inset #6F3; }

</style>

</head>

<body>

<h1>Box Model Example</h1>

<hr style="width: 100%; height: 1px;">

<p class="example1">My Content Example 1</p>

<hr style="width: 100%; height: 1px; color: blue;">

<p class="example2">My Content Example 2</p>

<hr style="width: 100%; height: 1px; color:red;">

<p class="example3">My Content Example 3</p>

<hr style="width: 100%; height: 1px; color:green;">

<p>&nbsp;</p>

<p>Click for <a href="../../css/css-box-model.htm">Details of Box Model Example</a></p>

</body>

</html>

14.Create a program for job portal using html and css

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Job Portal</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<header>

<h1>Job Portal</h1>

</header>

<nav>

<ul>

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

<li><a href="#">Jobs</a></li>

<li><a href="#">Post a Job</a></li>

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

</ul>

</nav>

<main>

<section id="search-jobs">

<h2>Search Jobs</h2>

<form>

<input type="text" placeholder="Keywords">

<input type="text" placeholder="Location">

<button type="submit">Search</button>

</form>

</section>

<section id="job-listings">

<h2>Latest Job Listings</h2>

<ul>

<li>

<h3>Job Title 1</h3>

<p>Company Name 1</p>

<p>Location 1</p>

<a href="#">Apply Now</a>

</li>

<li>

<h3>Job Title 2</h3>

<p>Company Name 2</p>

<p>Location 2</p>

<a href="#">Apply Now</a>

</li>

<li>

<h3>Job Title 3</h3>

<p>Company Name 3</p>

<p>Location 3</p>

<a href="#">Apply Now</a>

</li>

</ul>

</section>

</main>

<footer>

<p>&copy; 2023 Job Portal. All rights reserved.</p>

</footer>

</body>

</html>

15.write html program to add emojis

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

</head>

<body>

<h1>Sized Emojis</h1>

<p style="font-size:48px">

&#128512; &#128516; &#128525; &#128151;

</p>

</body>

</html>

16.write html program to display the items in ordered list, unordered list and definition

DOCTYPE html>

<html>

<head>

<title>Lists in HTML</title>

</head>

<body>

<h1>Lists in HTML</h1>

<h2>Ordered List</h2>

<ol>

<li>Item 1</li>

<li>Item 2</li>

<li>Item 3</li>

</ol>

<h2>Unordered List</h2>

<ul>

<li>Item 1</li>

<li>Item 2</li>

<li>Item 3</li>

</ul>

<h2>Definition List</h2>

<dl>

<dt>HTML</dt>

<dd>HyperText Markup Language</dd>

<dt>CSS</dt>

<dd>Cascading Style Sheets</dd>

<dt>JS</dt>

<dd>JavaScript</dd>

</dl>

</body>

</html>

17.write the html program display special type text

<!DOCTYPE html>

<html>

<head>

<title>COLOURS LIVES LIFE</title>

</head>

<style>

body

{

background-image:url('C:\Users\mohan\OneDrive\Desktop\watercolor-oil-painting-background\_23-2150133494.avif');

<body>

<p><em>Colors makes life beautiful.</em></p>

<p><mark>Here,we have 10 billion colors in the world. <mark></p>

<p><ins>There are warm colors denotes excitement.</ins> </p>

<p><sub>There are cool colors denotes paintainece </sub> </p>

<p><sup>We can't live our life without colors </sup> </p>

}

</body>

</style>

</html>

19.create a program to use frame set in html

<!DOCTYPE html>

<html>

<head>

<title>Example of Frameset in HTML</title>

</head>

<frameset rows="25%, 75%">

<frame src="header.html" name="header">

<frameset cols="25%, 75%">

<frame src="sidebar.html" name="sidebar">

<frame src="content.html" name="content">

</frameset>

</frameset>

<body>

<p>This is the body of the HTML document.</p>

</body>

</html>

20.create a web pages to add audio and video controls

<!DOCTYPE html>

<html>

<head>

<title>Audio and Video Controls</title>

</head>

<body>

<h1>Audio and Video Controls</h1>

<h2>Audio Example</h2>

<audio controls>

<source src="audio.mp3" type="audio/mpeg">

Your browser does not support the audio element.

</audio>

<h2>Video Example</h2>

<video controls>

<source src="video.mp4" type="video/mp4">

Your browser does not support the video element.

</video>

</body>

</html>

21.Write a javascript program to display the data and time

<!DOCTYPE html>

<html>

<head>

<title>Date and Time Display</title>

<script>

function displayDateTime() {

var dateTime = new Date();

var date = dateTime.toLocaleDateString();

var time = dateTime.toLocaleTimeString();

var dateTimeString = date + ' ' + time;

document.getElementById('datetime').textContent = dateTimeString;

}

setInterval(displayDateTime, 1000);

</script>

</head>

<body>

<h1>Date and Time Display</h1>

<p id="datetime"></p>

</body>

</html>

22.write a servelet program to display the confirmed dishes

out.println("<html>");

out.println("<head><title>Confirmed Dishes</title></head>");

out.println("<body>");

out.println("<h1>Confirmed Dishes</h1>");

out.println("<ul>");

for (String dish : confirmedDishes) {

out.println("<li>" + dish + "</li>");

}

out.println("</ul>");

out.println("</body>");

out.println("</html>");

}

}

23.create a web pages and add animation effect into it

<!DOCTYPE html>

<html>

<head>

<title>My Animated Web Page</title>

<style>

/\* Add some styles to the page elements \*/

body {

background-color: #f2f2f2;

font-family: Arial, sans-serif;

}

h1 {

color: #333333;

text-align: center;

margin-top: 50px;

font-size: 36px;

animation: bounce 2s infinite;

}

p {

color: #666666;

font-size: 18px;

text-align: center;

margin-top: 30px;

animation: fadein 2s;

}

/\* Define the animation effects \*/

@keyframes bounce {

0% { transform: translateY(0); }

50% { transform: translateY(-20px); }

100% { transform: translateY(0); }

}

@keyframes fadein {

0% { opacity: 0; }

100% { opacity: 1; }

}

</style>

</head>

<body>

<h1>Welcome to my animated web page!</h1>

<p>This page has some cool animation effects.</p>

</body>

</html>

24.create a program for add background image property using the url and style tag using internal types of css

<!DOCTYPE html>

<html>

<head>

<title>Background Image Example</title>

<style>

body {

background-image: url("https://example.com/background-image.jpg");

background-repeat: no-repeat;

background-size: cover;

}

</style>

</head>

<body>

<h1>Welcome to my website!</h1>

<p>This is an example of how to add a background image using internal CSS.</p>

</body>

</html>

25.create a program to working with string object in html

Joining to string

Returning the postion

Returing primitive value of string

<!DOCTYPE html>

<html>

<head>

<title>Working with String Object</title>

</head>

<body>

<script>

// Joining two strings

var str1 = "Hello";

var str2 = "World";

var joinedStr = str1.concat(" ", str2);

document.write("Joined String: " + joinedStr + "<br>");

// Returning the position of a substring

var str3 = "Hello World";

var pos = str3.indexOf("World");

document.write("Position of substring 'World': " + pos + "<br>");

// Returning primitive value of a string

var str4 = new String("Hello");

var primitiveStr = str4.valueOf();

document.write("Primitive value of string 'str4': " + primitiveStr + "<br>");

</script>

</body>

</html>

26.write js program to find the no.of.client visted the website

<!DOCTYPE html>

<html>

<head>

<title>Visitor Counter</title>

</head>

<body>

<div id="visitor-count"></div>

<script type="text/javascript">

if (typeof(Storage) !== "undefined") {

if (localStorage.visitorCount) {

localStorage.visitorCount = Number(localStorage.visitorCount)+1;

} else {

localStorage.visitorCount = 1;

}

document.getElementById("visitor-count").innerHTML = "You are visitor number " + localStorage.visitorCount + ".";

} else {

document.getElementById("visitor-count").innerHTML = "Sorry, your browser does not support web storage...";

}

</script>

</body>

</html>

27.create a program lower case to upper case in string html

<!DOCTYPE html>

<html>

<body>

<h2>Convert lowercase string to uppercase</h2>

<p>Enter a lowercase string:</p>

<input type="text" id="inputString">

<button onclick="convertString()">Convert</button>

<p>Uppercase string:</p>

<p id="outputString"></p>

<script>

function convertString() {

let input = document.getElementById("inputString").value;

let output = input.toUpperCase();

document.getElementById("outputString").innerHTML = output;

}

</script>

</body>

</html>