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<!DOCTYPE html>
<head>
<script src="https://cdnjs.cloudflare.com/ajax/libs/crypto-js/4.1.1/crypto-
js.min.js"></script>
<title>Simple Converter | vtucode</title>
<style>
* {
padding: 0;
margin: 0;
box-sizing: border-box;
}
body {
font-family: Arial, sans-serif;
color: #000000;
}
.container {
width: 60%;
margin: 0 auto;
padding: 20px;
}
.head-title h1 {
font-size: 28px;
padding: 10px;
color: #fff;
margin-bottom: 50px;
}.head-title {
width: 100%;
background: #000;
text-align: center;
border-radius: 10px;
}
.section {
margin-bottom: 40px;
padding: 20px;
border-radius: 8px;
background: #fff;
box-shadow: rgba(0, 0, 0, 0.1) 0px 1px 3px 0px, rgba(0, 0, 0, 0.06) 0px 1px 2px 0px;
transition: all 0.3s;
overflow: hidden;
}
.section h2 {
color: #000000;
font-size: 20px;
margin-bottom: 15px;
}
textarea {
font-size: 14px;
width: 100%;
height: 120px;
margin-bottom: 15px;
padding: 12px;
border-radius: 8px;
border: 1px solid #00000022;
box-sizing: border-box;
transition: border-color 0.3s ease, box-shadow 0.3s ease; }textarea:focus {
background: transparent;
border: 1px solid #00000022;
border-color: #007BFF;
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box-shadow: 0 0 12px rgba(0, 123, 255, 0.5);
outline: none;
}
input[type="text"] {
width: calc(100% - 24px);
padding: 12px;
border-radius: 8px;
border: 1px solid #ddd;
box-sizing: border-box;
transition: border-color 0.3s ease, box-shadow 0.3s ease;
margin-bottom: 15px;
}
input[type="text"]:focus {
border-color: #007BFF;
box-shadow: 0 0 8px rgba(0, 123, 255, 0.5);
outline: none;
}
button {
display: inline-block;
padding: 15px 15px;
margin: 10px 0;
font-weight: 600;
border: none;
border-radius: 7px;
background-color: #007BFF;
color: #fff; cursor: pointer;
font-size: 16px;
transition: box-shadow 0.3s ease, transform 0.3s ease;
}
button:hover {
box-shadow: 0 0 2px #fff, 0 0 4px #007BFF;
}
button:focus {
box-shadow: 0 0 2px #fff, 0 0 4px #007BFF;
}
pre {
display: none;
background: #f8f9fa;
border: 1px solid #ddd;
padding: 15px;
border-radius: 8px;
overflow: auto;
transition: opacity 0.3s ease;
}
.error {
margin-top: 10px;
font-size: 14px;
color: #000;
background: #ffdddd;
border-color: #ff0000;
padding: 10px;
}
.success {
margin-top: 10px;
font-size: 14px; color: #000;
background: #6ef08d38;
border-color: #47e56d;
padding: 10px;
}
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}
.adjust-area {
margin-top: 30px;
}
</style>
</head>
<body>
<div class="container">
<div class="head-title">
<h1>Simple Converter</h1>
</div>
<div class="section">
<h2>1. Convert JSON Text to JavaScript Object</h2>
<textarea id="jsonInput" placeholder="Enter JSON here..."></textarea>
<button onclick="convertJsonToObject()">Convert JSON</button>
<pre id="jsonOutput" class="output"></pre>
</div>
<div class="section">
<h2>2. Convert JSON Results into Date</h2>
<textarea id="jsonDateInput" placeholder="Enter JSON with date in "yyyy-mm-dd"
format"></textarea>
<button onclick="convertJsonToDate()">Convert to Date</button>
<pre id="jsonDateOutput" class="output"></pre>
</div>
<div class="section">
<h2>3. Convert JSON to CSV and CSV to JSON</h2><textarea id="jsonCsvInput" placeholder="Enter JSON for CSV
conversion..."></textarea>
<button onclick="convertJsonToCsv()">JSON to CSV</button>
<pre id="csvOutput" class="output"></pre>
<textarea id="csvInput" placeholder="Enter CSV here..." class="adjust-
area"></textarea>
<button onclick="convertCsvToJson()">CSV to JSON</button>
<pre id="jsonCsvOutput" class="output"></pre>
</div>
<div class="section">
<h2>4. Create Hash from String</h2>
<input type="text" id="hashInput" placeholder="Enter string to hash">
<button onclick="createHash()">Create Hash</button>
<pre id="hashOutput" class="output"></pre>
</div>
</div>
<script>
function showResult(id, text, isSuccess) {
const element = document.getElementById(id);
element.textContent = text;
element.className = isSuccess ? 'success' : 'error';
element.style.display = 'block';
element.style.opacity = '1';
}
function convertJsonToObject() {
const jsonInput = document.getElementById('jsonInput').value;
try {
const jsonObject = JSON.parse(jsonInput);
showResult('jsonOutput', JSON.stringify(jsonObject, null, 2), true);
} catch (error) {
showResult('jsonOutput', 'Invalid JSON', false);}
}
function convertJsonToDate() {

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const jsonDateInput = document.getElementById('jsonDateInput').value;
try {
const data = JSON.parse(jsonDateInput);
if (data.date && !isNaN(new Date(data.date).getTime())) {
const date = new Date(data.date);
showResult('jsonDateOutput', date.toString(), true);
} else {
showResult('jsonDateOutput', 'Invalid Date Format', false);
}
} catch (error) {
showResult('jsonDateOutput', 'Invalid JSON', false);
}
}

function convertJsonToCsv() {
const jsonInput = document.getElementById('jsonCsvInput').value;
try {
const jsonArray = JSON.parse(jsonInput);
if (Array.isArray(jsonArray) && jsonArray.length > 0) {
const keys = Object.keys(jsonArray[0]);
const csv = [
keys.join(','),
...jsonArray.map(row => keys.map(key => JSON.stringify(row[key])).join(','))
].join('\n');
showResult('csvOutput', csv, true);
} else {
showResult('csvOutput', 'Invalid JSON: Expected an array with objects.', false);
}} catch (error) {
showResult('csvOutput', 'Invalid JSON', false);
}
}

function convertCsvToJson() {
const csvInput = document.getElementById('csvInput').value;
try {
const lines = csvInput.trim().split('\n');
if (lines.length > 1) {
const keys = lines[0].split(',');
if (keys.length > 0) {
const jsonArray = lines.slice(1).map(line => {
const values = line.split(',');
return keys.reduce((obj, key, index) => {
obj[key] = values[index];
return obj;
}, {});
});
} else {
showResult('jsonCsvOutput', JSON.stringify(jsonArray, null, 2), true);
showResult('jsonCsvOutput', 'Invalid CSV: No columns found.', false);
}
} else {
showResult('jsonCsvOutput', 'Invalid CSV: No data found.', false);
}
} catch (error) {
showResult('jsonCsvOutput', 'Invalid CSV', false);
}
}

function createHash() {
const hashInput = document.getElementById('hashInput').value.trim();
if (hashInput.length > 0) {
const hash = CryptoJS.SHA256(hashInput).toString();

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showResult('hashOutput', hash, true);
} else {
showResult('hashOutput', 'Input cannot be empty', false);
}
}
</script>
</body>
</html>
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