**.HTML**

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<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Currency Converter</title>

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

</head>

<body>

<div class="container">

<h1>Currency Converter</h1>

<div class="currency-conversion">

<div class="form-group">

<label for="amount">Amount</label>

<input type="number" id="amount" placeholder="Enter amount" />

</div>

<div class="form-group">

<label for="fromCurrency">From Currency</label>

<select id="fromCurrency">

<option value="USD">USD - US Dollar</option>

<option value="EUR">EUR - Euro</option>

<option value="GBP">GBP - British Pound</option>

<option value="INR">INR - Indian Rupee</option>

<option value="AUD">AUD - Australian Dollar</option>

<option value="CAD">CAD - Canadian Dollar</option>

<option value="JPY">JPY - Japanese Yen</option>

<option value="CNY">CNY - Chinese Yuan</option>

<option value="MXN">MXN - Mexican Peso</option>

<option value="BRL">BRL - Brazilian Real</option>

</select>

</div>

<div class="form-group">

<label for="toCurrency">To Currency</label>

<select id="toCurrency">

<option value="USD">USD - US Dollar</option>

<option value="EUR">EUR - Euro</option>

<option value="GBP">GBP - British Pound</option>

<option value="INR">INR - Indian Rupee</option>

<option value="AUD">AUD - Australian Dollar</option>

<option value="CAD">CAD - Canadian Dollar</option>

<option value="JPY">JPY - Japanese Yen</option>

<option value="CNY">CNY - Chinese Yuan</option>

<option value="MXN">MXN - Mexican Peso</option>

<option value="BRL">BRL - Brazilian Real</option>

</select>

</div>

<button id="convertButton">Convert</button>

</div>

<div class="result">

<h2>Converted Amount:</h2>

<p id="convertedAmount">0</p>

</div>

</div>

<script src="script.js"></script>

</body>

</html>

.CSS

\* { margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: 'Roboto', sans-serif;

background: linear-gradient(45deg, #6c5ce7, #ff7675); display: flex;

justify-content: center; align-items: center; height: 100vh;

}

.container {

background-color: white; padding: 30px;

border-radius: 12px;

box-shadow: 0 10px 30px rgba(0, 0, 0, 0.1); width: 400px;

text-align: center;

}

h1 {

font-size: 28px; margin-bottom: 20px; color: #333;

font-weight: 600;

}

.currency-conversion { margin-bottom: 20px;

}

.form-group {

margin-bottom: 15px;

}

input, select {

width: 100%; padding: 12px; margin-top: 8px; border-radius: 8px;

border: 1px solid #ddd; font-size: 16px;

}

button { width: 100%;

padding: 15px;

background-color: #00b894; color: white;

border: none; border-radius: 8px; font-size: 18px; cursor: pointer;

transition: background-color 0.3s ease;

}

button:hover {

background-color: #00a57a;

}

.result {

font-size: 20px; font-weight: bold; color: #2d3436; margin-top: 20px;

}

.result p {

font-size: 24px; color: #0984e3;

}

.js

document.getElementById('convertButton').addEventListener('click', convertCurrency);

async function convertCurrency() {

const amount = document.getElementById('amount').value;

const fromCurrency = document.getElementById('fromCurrency').value; const toCurrency = document.getElementById('toCurrency').value;

if (!amount || amount <= 0) { alert('Please enter a valid amount.'); return;

}

const url = `https://api.exchangerate-api.com/v4/latest/${fromCurrency}`; try {

const response = await fetch(url); const data = await response.json();

if (data && data.rates[toCurrency]) { const rate = data.rates[toCurrency];

const convertedAmount = (amount \* rate).toFixed(2); document.getElementById('convertedAmount').textContent = `${convertedAmount} ${toCurrency}`;

} else {

alert('Error fetching conversion rate.');

}

} catch (error) { alert('Error: ' + error);

}

}

