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<!DOCTYPE html>
<html>
<head>
  <title>World Clock</title>
  <style>
    body {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      height: 100vh;
      background: linear-gradient(to right, #74ebd5, #9face6);
      color: #333;
      font-family: 'Arial', sans-serif;
      text-align: center;
    }

    .clock-container {
      margin-bottom: 20px;
    }

    #clock, #date {
      font-size: 2.5em;
      padding: 20px;
      background: rgba(255, 255, 255, 0.8);
      border-radius: 10px;
      margin: 10px 0;
      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    }

    select, button {
      padding: 10px;
      margin: 5px;
      border-radius: 5px;
      border: 1px solid #ddd;
      font-size: 1em;
    }

    button {
      background-color: #4CAF50;
      color: white;
      border: none;
    }
  </style>
</head>
<body>
  <div class="clock-container">
    <div id="clock">
      <div id="date">
        <select>
          <option value="Africa">Africa
          <option value="Asia">Asia
          <option value="Europe">Europe
          <option value="North America">North America
          <option value="South America">South America
        </select>
      </div>
    </div>
  </div>
</body>
</html>
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        button:hover {
            background-color: #45a049;
        }
    </style>
</head>
<body>
    <div class="clock-container">
        <div id="clock"></div>
        <div id="date"></div>
    </div>

    <div>
        Time Zone:
        <select id="timezone">
            <option value="UTC">UTC</option>
            <option value="America/New_York">Eastern Time (ET)</option>
            <option value="America/Chicago">Central Time (CT)</option>
            <option value="America/Denver">Mountain Time (MT)</option>
            <option value="America/Los_Angeles">Pacific Time (PT)</option>
            <option value="Europe/Berlin">Central European Time (CET)</option>
            <option value="Asia/Kolkata">Indian Standard Time (IST)</option>
            <option value="Asia/Shanghai">China Standard Time (CST)</option>
            <option value="Asia/Tokyo">Japan Standard Time (JST)</option>
            <!-- Add more timezones as needed -->
        </select>
    </div>

    <div>
        Date Format:
        <select id="dateFormat">
            <option value="MM/dd/yyyy">MM/DD/YYYY</option>
            <option value="dd/MM/yyyy">DD/MM/YYYY</option>
            <option value="yyyy/MM/dd">YYYY/MM/DD</option>
        </select>
    </div>

    <button onclick="updateSettings()">Update Settings</button>

    <script>
        let timeZone = 'UTC';
        let dateFormat = 'MM/dd/yyyy';

        function updateClock() {
            let now = new Date();

            let timeFormatter = new Intl.DateTimeFormat('en-US', {

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        hour: '2-digit',
        minute: '2-digit',
        second: '2-digit',
        hour12: false,
        timeZone: timeZone
    });

    let dateFormatterOptions = {
        timeZone: timeZone,
        year: 'numeric',
        month: '2-digit',
        day: '2-digit',
    };

    switch (dateFormat) {
        case 'MM/dd/yyyy':
            dateFormatterOptions = { ...dateFormatterOptions, month: '2-digit', day: '2-digit',
year: 'numeric' };
            break;
        case 'dd/MM/yyyy':
            dateFormatterOptions = { ...dateFormatterOptions, day: '2-digit', month: '2-digit',
year: 'numeric' };
            break;
        case 'yyyy/MM/dd':
            dateFormatterOptions = { ...dateFormatterOptions, year: 'numeric', month: '2-digit',
day: '2-digit' };
            break;
    }

    let dateFormatter = new Intl.DateTimeFormat('en-US', dateFormatterOptions);

    document.getElementById('clock').textContent = timeFormatter.format(now);
    document.getElementById('date').textContent = dateFormatter.format(now);
}

function updateSettings() {
    timeZone = document.getElementById('timezone').value;
    dateFormat = document.getElementById('dateFormat').value;
    updateClock();
}

setInterval(updateClock, 1000);
updateClock(); // initial call to display clock immediately
</script>

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</body>  
</html>
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