```
// Convert JSON text to JavaScript object
function convertJsonToObject() {
  const jsonInput = document.getElementById('jsonInput').value;
  try {
   const jsonObject = JSON.parse(jsonInput);
   document.getElementById('objectOutput').textContent = JSON.stringify(jsonObject, null, 2);
  } catch (error) {
   document.getElementById('objectOutput').textContent = 'Invalid JSON!';
  }
 }

 // Convert JSON date text to JavaScript Date object
 function convertJsonToDate() {
  const dateInput = document.getElementById('dateInput').value;
  try {
   const jsonDate = JSON.parse(dateInput);
   const dateObject = new Date(jsonDate.date);
   document.getElementById('dateOutput').textContent = `Date Object: ${dateObject}`;
  } catch (error) {
   document.getElementById('dateOutput').textContent = 'Invalid JSON or date format!';
  }
 }

 // Convert JSON to CSV
 function convertJsonToCsv() {
  const jsonCsvInput = document.getElementById('jsonCsvInput').value;
  try {
   const jsonArray = JSON.parse(jsonCsvInput);
```

```
    const headers = Object.keys(jsonArray[0]);
    const csvRows = [
      headers.join(','),
      ...jsonArray.map(row => headers.map(header => row[header]).join(','))
    ];
    document.getElementById('csvOutput').textContent = csvRows.join('\n');
  } catch (error) {
    document.getElementById('csvOutput').textContent = 'Invalid JSON format!';
  }
}

// Convert CSV to JSON
function convertCsvToJson() {
  const csvToJsonInput = document.getElementById('csvToJsonInput').value;
  const lines = csvToJsonInput.split('\n');
  const headers = lines[0].split(',');
  const jsonArray = lines.slice(1).map(line => {
    const values = line.split(',');
    return headers.reduce((object, header, index) => {
      object[header] = values[index];
      return object;
    }, {});
  });
  document.getElementById('jsonOutput').textContent = JSON.stringify(jsonArray, null, 2);
}

// Create a hash using crypto module
// Create a hash using the Web Crypto API (SHA-256)
```

```
async function createHash() {
  const hashInput = document.getElementById('hashInput').value;
  const encoder = new TextEncoder();
  const data = encoder.encode(hashInput);

  // Use the Web Crypto API to generate a hash
  const hashBuffer = await crypto.subtle.digest('SHA-256', data);

  // Convert hash buffer to hex string
  const hashArray = Array.from(new Uint8Array(hashBuffer));
  const hashHex = hashArray.map(b => b.toString(16).padStart(2, '0')).join('');

  document.getElementById('hashOutput').textContent = `Hash: ${hashHex}`;
 }
```