```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>COVID-19 Data Analysis Dashboard</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 20px;
            background-color: #f4f4f4;
            color: #333;
        }

        .container {
            max-width: 1200px;
            margin: auto;
            background: #fff;
            padding: 20px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }

        h1 {
            text-align: center;
            color: #0056b3;
        }

        .dashboard-grid {
            display: grid;
            grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
            gap: 20px;
            margin-top: 20px;
        }

        .card {
            background: #e9e9e9;
            padding: 20px;
            border-radius: 8px;
            text-align: center;
            box-shadow: 0 2px 4px rgba(0, 0, 0, 0.05);
        }

        .card h2 {
            margin-top: 0;
            font-size: 1em;
            color: #555;
```

```css
        }

        .card .data-number {
            font-size: 2.5em;
            font-weight: bold;
            color: #007bff;
        }

        /* You can add more styles for charts and tables here */
        .chart-container {
            width: 100%;
            height: 400px;
            margin-top: 20px;
            border: 1px solid #ccc;
            border-radius: 8px;
            background: #fdfdfd;
            text-align: center;
            display: flex;
            align-items: center;
            justify-content: center;
            color: #888;
        }

        .data-table {
            width: 100%;
            border-collapse: collapse;
            margin-top: 20px;
        }

        .data-table th, .data-table td {
            border: 1px solid #ddd;
            padding: 8px;
            text-align: left;
        }

        .data-table th {
            background-color: #007bff;
            color: white;
        }
    </style>
</head>
<body>

    <div class="container">
        <h1>Global COVID-19 Data Dashboard</h1>
        <p style="text-align: center; color: #777;">Data as of <span id="last-updated">--/--/----</span></p>
```

```html
    <div class="dashboard-grid">
      <div class="card total-cases">
        <h2>Total Confirmed Cases</h2>
        <div class="data-number" id="total-cases-data">Loading...</div>
      </div>
      <div class="card total-deaths">
        <h2>Total Deaths</h2>
        <div class="data-number" id="total-deaths-data">Loading...</div>
      </div>
      <div class="card total-recovered">
        <h2>Total Recovered</h2>
        <div class="data-number" id="total-recovered-data">Loading...</div>
      </div>
      <div class="card active-cases">
        <h2>Active Cases</h2>
        <div class="data-number" id="active-cases-data">Loading...</div>
      </div>
    </div>

    <div class="chart-container">
      <canvas id="cases-chart"></canvas>
      <p>Historical trends chart will be rendered here with JavaScript.</p>
    </div>

    <h2>Data by Country</h2>
    <table class="data-table">
      <thead>
        <tr>
          <th>Country</th>
          <th>Confirmed Cases</th>
          <th>Deaths</th>
          <th>Recovered</th>
        </tr>
      </thead>
      <tbody id="country-data-body">
        <tr><td colspan="4" style="text-align: center;">Loading data...</td></tr>
      </tbody>
    </table>

</div>

<script>
  // This is where you would write JavaScript to fetch data from an API.
  // For example, using the 'fetch' API:

  // Example of a data API (this is a placeholder, you need to find a live one)
  const API_URL = 'https://some-covid-data-api.com/v1/latest';
```

```javascript
// Function to fetch and display data
async function fetchCOVIDData() {
    try {
        // Fetch data from a real API
        // const response = await fetch(API_URL);
        // const data = await response.json();

        // Placeholder data since we can't fetch from a real API
        const data = {
            totalCases: 650000000,
            totalDeaths: 6800000,
            totalRecovered: 600000000,
            lastUpdated: 'September 19, 2025',
            countries: [
                { name: 'USA', confirmed: 105000000, deaths: 1100000, recovered:
103000000 },
                { name: 'India', confirmed: 45000000, deaths: 532000, recovered: 44000000
},
                { name: 'Brazil', confirmed: 38000000, deaths: 700000, recovered: 37000000
}
            ]
        };

        // Update the dashboard with the fetched data
        document.getElementById('total-cases-data').textContent =
data.totalCases.toLocaleString();
        document.getElementById('total-deaths-data').textContent =
data.totalDeaths.toLocaleString();
        document.getElementById('total-recovered-data').textContent =
data.totalRecovered.toLocaleString();
        document.getElementById('active-cases-data').textContent = (data.totalCases -
data.totalDeaths - data.totalRecovered).toLocaleString();
        document.getElementById('last-updated').textContent = data.lastUpdated;

        // Populate the country data table
        const tableBody = document.getElementById('country-data-body');
        tableBody.innerHTML = ''; // Clear previous data
        data.countries.forEach(country => {
            const row = document.createElement('tr');
            row.innerHTML = `
                <td>${country.name}</td>
                <td>${country.confirmed.toLocaleString()}</td>
                <td>${country.deaths.toLocaleString()}</td>
                <td>${country.recovered.toLocaleString()}</td>
            `;
            tableBody.appendChild(row);
        });
```

```
        } catch (error) {
            console.error('Error fetching COVID-19 data:', error);
            document.getElementById('total-cases-data').textContent = 'Data Unavailable';
            document.getElementById('total-deaths-data').textContent = 'Data Unavailable';
            document.getElementById('total-recovered-data').textContent = 'Data Unavailable';
            document.getElementById('active-cases-data').textContent = 'Data Unavailable';
            document.getElementById('country-data-body').innerHTML = `<tr><td colspan="4"
style="text-align: center; color: red;">Failed to load data. Please try again later.</td></tr>`;
        }
    }

    // Call the function when the page loads
    document.addEventListener('DOMContentLoaded', fetchCOVIDData);
  </script>

  </body>
</html>
```