```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>QR Code Generator</title>
  <style>
    * {
      box-sizing: border-box;
      margin: 0;
      padding: 0;
    }
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      display: flex;
      justify-content: center;
      align-items: center;
      min-height: 100vh;
      padding: 20px;
    }
    .container {
      width: 100%;
      max-width: 400px;
      padding: 20px;
      background-color: #fff;
      border: 2px solid #4CAF50;
      border-radius: 10px;
      box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
      text-align: center;
```

```css
}
h3 {
  margin-bottom: 20px;
  color: #333;
}
input {
  width: 100%;
  padding: 10px;
  margin: 10px 0;
  border: 1px solid #ddd;
  border-radius: 5px;
}
button {
  display: inline-block;
  padding: 10px 20px;
  margin: 10px 5px;
  background-color: #4CAF50;
  color: white;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  text-decoration: none;
}
button:hover {
  background-color: #45a049;
}
.qr-container {
  margin: 20px 0;
  display: flex;
  justify-content: center;
}
```

```css
    img {
      width: 150px;
      height: 150px;
      display: none;
    }
    .border-box {
      padding: 10px;
      border: 1px solid #ccc;
      border-radius: 5px;
    }
    .back-btn {
      background-color: #ff5252;
      display: none;
    }
    .back-btn:hover {
      background-color: #e04848;
    }
    @media (max-width: 768px) {
      .container {
        width: 100%;
      }
    }
    @media (max-width: 480px) {
      button {
        width: 100%;
        margin: 10px 0;
      }
    }
  </style>
</head>
<body>
```

```html
<div class="container">
  <h3>QR Code Generator</h3>
  <div class="border-box">
    <form id="qrForm">
      <input type="text" id="name" placeholder="Enter Full Name" required />
      <input type="number" id="phone" placeholder="Enter Mobile Number" required />
      <button type="button" id="generateBtn">Generate QR Code</button>
    </form>
    <div class="qr-container">
      <img id="qrCode" src="" alt="QR Code" style="display: none;" />
    </div>
    <button id="printBtn" style="display: none;">Print QR Code</button>
    <button id="downloadBtn" style="display: none;">Download QR Code</button>
    <button id="backBtn" class="back-btn" onclick="goBack()" style="display: none;">Back</button>
  </div>
</div>

<script>
  const generateBtn = document.getElementById('generateBtn');
  const qrCode = document.getElementById('qrCode');
  const printBtn = document.getElementById('printBtn');
  const downloadBtn = document.getElementById('downloadBtn');
  const backBtn = document.getElementById('backBtn');

  let qrCodeUrl = '';
  let userName = '';

  generateBtn.addEventListener('click', function () {
    userName = document.getElementById('name').value.trim();
    const phone = document.getElementById('phone').value.trim();
```

```javascript
    if (!userName || !phone) {

      alert('Please fill in both fields.');

      return;

    }


    if (phone.length !== 10 || isNaN(phone)) {

      alert('Please enter a valid 10-digit phone number.');

      return;

    }


    // Generate QR code data

    const qrData = `Name: ${userName}, Phone: ${phone}`;

    qrCodeUrl = `https://api.qrserver.com/v1/create-qr-
code/?size=150x150&data=${encodeURIComponent(qrData)}`;

    qrCode.src = qrCodeUrl;


    // Display QR code and buttons

    qrCode.style.display = 'block';

    printBtn.style.display = 'inline-block';

    downloadBtn.style.display = 'inline-block';

    backBtn.style.display = 'inline-block';

    generateBtn.style.display = 'none';

  });


  printBtn.addEventListener('click', function () {

    const printWindow = window.open('', '_blank');

    printWindow.document.write(`<img src="${qrCode.src}" onload="window.print();
window.close();" />`);

    printWindow.document.close();

  });


  downloadBtn.addEventListener('click', async function () {
```

```javascript
    if (!qrCodeUrl) {
      alert('Please generate the QR code first.');
      return;
    }


    try {
      const response = await fetch(qrCodeUrl);
      const blob = await response.blob();
      const link = document.createElement('a');
      link.href = URL.createObjectURL(blob);
      link.download = `${userName.replace(/\s+/g, '_')}_QR_Code.png`; // Use user's name for the
filename
      link.click();
      URL.revokeObjectURL(link.href); // Clean up the URL object
    } catch (error) {
      console.error('Error downloading the QR code:', error);
      alert('Failed to download QR code. Please try again.');
    }
  });

  function goBack() {
    qrCode.style.display = 'none';
    printBtn.style.display = 'none';
    downloadBtn.style.display = 'none';
    backBtn.style.display = 'none';
    generateBtn.style.display = 'inline-block';
    document.getElementById('name').value = '';
    document.getElementById('phone').value = '';
  }
</script>
</body>
```

</html>

Output :

The output of this code will be:

1. A web page with a form containing fields for entering a **Full Name** and **Mobile Number**.

2. After filling in the form and clicking the "Generate QR Code" button:

    o A **QR code** will appear.

    o The **Print** and **Download** buttons will become visible.

    o A **Back** button will appear for resetting the form.

3. The QR code will contain the entered **Name** and **Phone Number** in its encoded data.