

# cprime

## Basic HTML Structure with Headings, Paragraphs, and Comments



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create a HTML file with different heading formats, comments, and paragraphs; come with the proper Document format as per the Reference shared(Attach Output screenshot as well the HTML file)

Code :

```
<h1>DevOps</h1>

<h2>Introduction</h2>
<p>DevOps is a set of practices that combines software development (Dev) and IT operations (Ops). It aims to shorten the system development lifecycle and provide continuous delivery with high software quality.</p>

<h2>Principles</h2>

<h3>Collaboration</h3>
<p>DevOps fosters collaboration between development and operations teams to improve efficiency and communication.</p>

<h3>Automation</h3>
<p>Automation in DevOps includes CI/CD pipelines, infrastructure as code (IaC), and monitoring.</p>

<h3>Continuous Integration & Continuous Deployment</h3>
<p>CI/CD ensures that code changes are automatically tested and deployed in a streamlined process.</p>

<h2>Tools</h2>

<h3>Version Control</h3>
<h4>Git</h4>
<p>Git is a distributed version control system used for source code management.</p>

<h3>Configuration Management</h3>
<h4>Ansible</h4>
<p>Ansible is an automation tool for configuration management and application deployment.</p>

<h4>Chef & Puppet</h4>
<p>Chef and Puppet automate system administration tasks and infrastructure provisioning.</p>
```

### <h3>CI/CD Tools</h3>

#### <h4>Jenkins</h4>

<p>Jenkins is an open-source automation server used for building, testing, and deploying applications.</p>

#### <h4>GitHub Actions</h4>

<p>GitHub Actions enables automation of workflows within GitHub repositories.</p>

## <h2>Cloud & Infrastructure</h2>

### <h3>Cloud Providers</h3>

#### <h4>AWS</h4>

<p>Amazon Web Services provides scalable cloud solutions for DevOps practices.</p>

#### <h4>Azure</h4>

<p>Microsoft Azure offers DevOps services, including pipelines and monitoring.</p>

#### <h4>Google Cloud</h4>

<p>Google Cloud provides infrastructure for modern DevOps workflows.</p>

## <h2>Monitoring & Logging</h2>

### <h3>Prometheus</h3>

<p>Prometheus is an open-source monitoring tool used to collect and analyze metrics.</p>

### <h3>ELK Stack</h3>

<p>The ELK Stack (Elasticsearch, Logstash, and Kibana) is used for log analysis and visualization.</p>

## <h2>Security in DevOps</h2>

### <h3>DevSecOps</h3>

<p>DevSecOps integrates security practices into the DevOps pipeline.</p>

### <h3>Security Tools</h3>

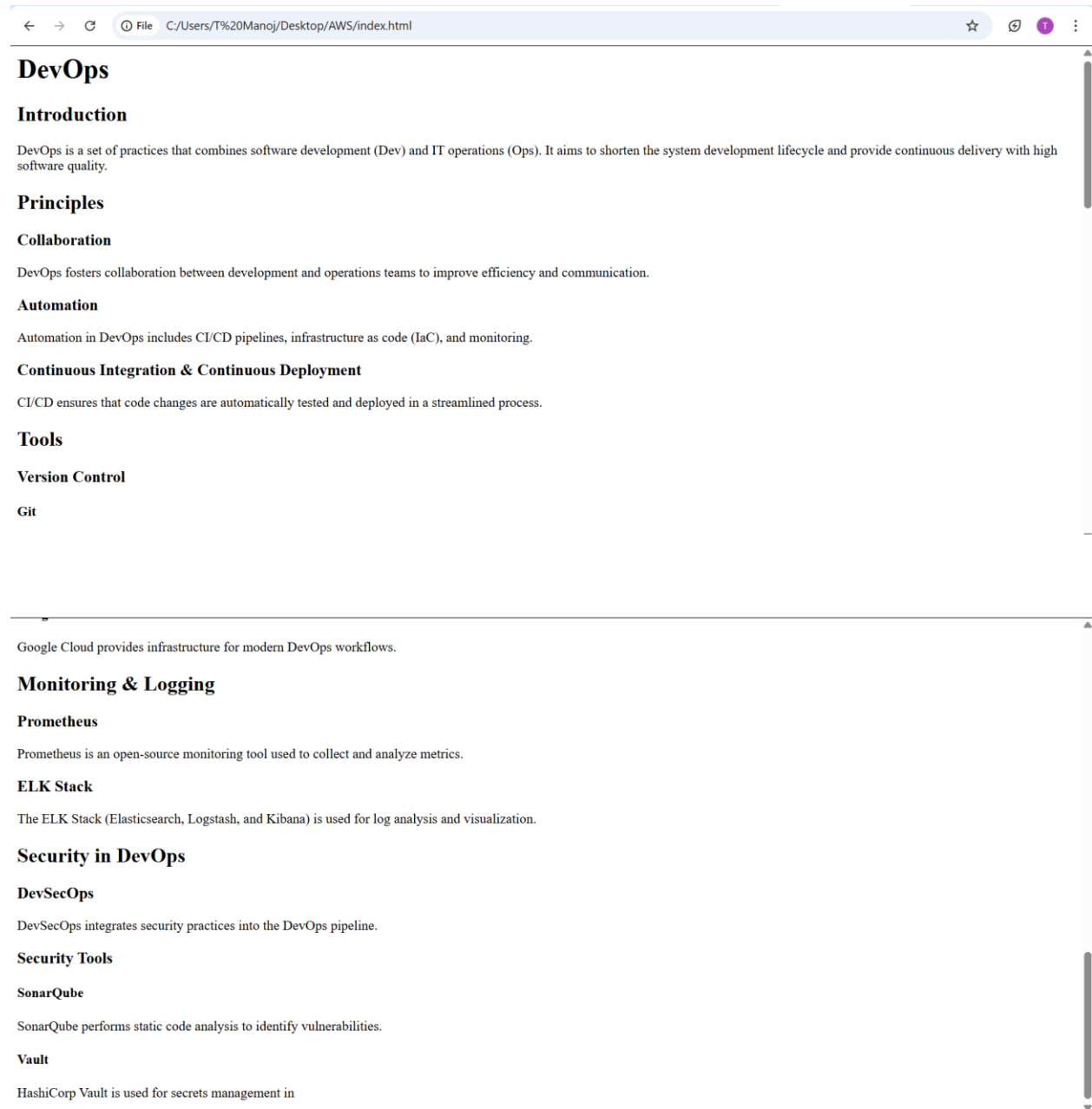
#### <h4>SonarQube</h4>

<p>SonarQube performs static code analysis to identify vulnerabilities.</p>

#### <h4>Vault</h4>

```
<p>HashiCorp Vault is used for secrets management </p>
```

Output :



Create HTML file includes (strong, bold, emphasize, idiomatic, superscript, subscript, Lists (ordered, unordered), Nested Lists) as per the Reference shared (Attach the Output screenshot & HTML file)

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>HTML Text Formatting and Lists Example</title>
</head>
<body>
  <h1>HTML Text Formatting and Lists Example</h1>

  <h2>Text Formatting Elements</h2>

  <h3>Strong Text</h3>
  <p>The <strong> element represents strong importance:</p>
  <p>This is <strong>strong text</strong> that emphasizes importance.</p>

  <h3>Bold Text</h3>
  <p>The <b> element represents stylistically bold text:</p>
  <p>This is <b>bold text</b> without adding importance.</p>

  <h3>Emphasized Text</h3>
  <p>The <em> element represents emphasized text:</p>
  <p>This is <em>emphasized text</em> that adds stress emphasis.</p>

  <h3>Idiomatic Text</h3>
  <p>The <i> element represents text in an alternate voice or mood:</p>
  <p>The scientific name for the red fox is <i>Vulpes vulpes</i>.</p>

  <h3>Superscript</h3>
  <p>The <sup> element represents superscript text:</p>
  <p>E = mc<sup>2</sup> is Einstein's famous equation.</p>

  <h3>Subscript</h3>
  <p>The <sub> element represents subscript text:</p>
  <p>Water's chemical formula is H<sub>2</sub>O.</p>

  <h2>Lists in HTML</h2>
```

### <h3>Ordered Lists</h3>

<p>The <ol> element creates an ordered (numbered) list:</p>

```
<ol>
  <li>First item</li>
  <li>Second item</li>
  <li>Third item</li>
  <li>Fourth item</li>
</ol>
```

### <h3>Unordered Lists</h3>

<p>The <ul> element creates an unordered (bulleted) list:</p>

```
<ul>
  <li>Apple</li>
  <li>Orange</li>
  <li>Banana</li>
  <li>Mango</li>
</ul>
```

### <h3>Nested Lists</h3>

<p>Lists can be nested inside other lists:</p>

#### <h4>Nested Ordered List:</h4>

```
<ol>
  <li>Main Course
    <ol>
      <li>Steak</li>
      <li>Fish
        <ol>
          <li>Salmon</li>
          <li>Trout</li>
        </ol>
      </li>
      <li>Vegetarian Options</li>
    </ol>
  </li>
  <li>Dessert
    <ol>
      <li>Ice Cream</li>
      <li>Cake</li>
    </ol>
  </li>
</ol>
```

`<h4>Nested Unordered List:</h4>`

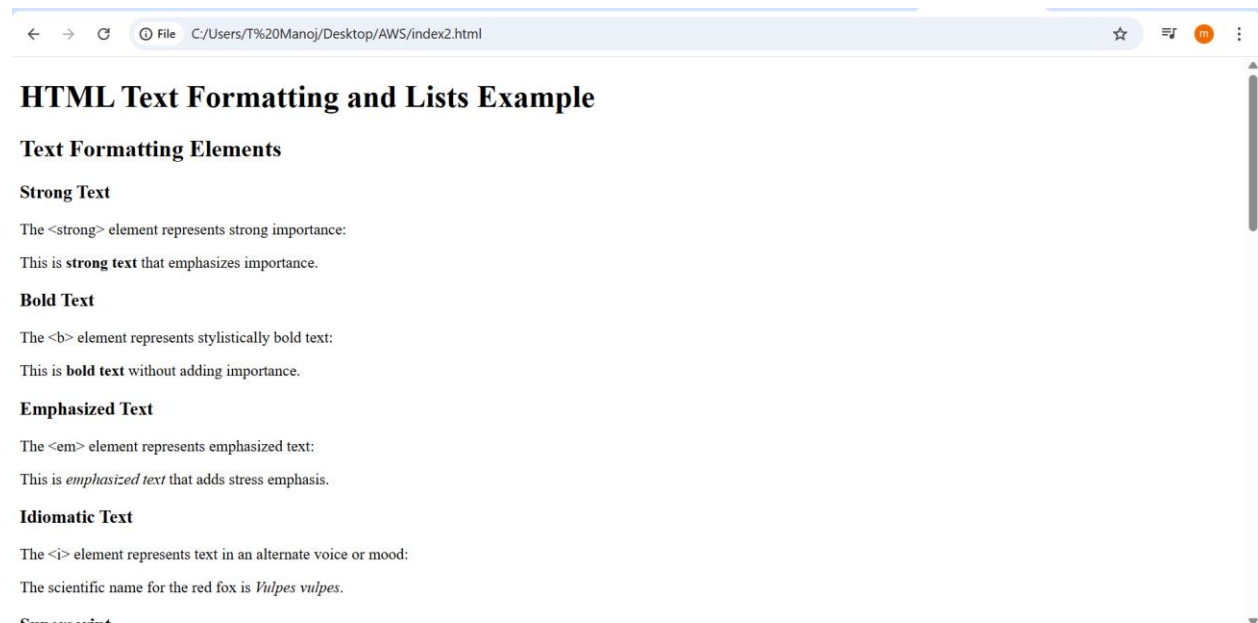
```
<ul>
  <li>Fruits
    <ul>
      <li>Citrus
        <ul>
          <li>Orange</li>
          <li>Lemon</li>
          <li>Lime</li>
        </ul>
      </li>
      <li>Berries
        <ul>
          <li>Strawberry</li>
          <li>Blueberry</li>
        </ul>
      </li>
    </ul>
  </li>
  <li>Vegetables
    <ul>
      <li>Root Vegetables</li>
      <li>Leafy Greens</li>
    </ul>
  </li>
</ul>
```

`<h4>Mixed Nested Lists:</h4>`

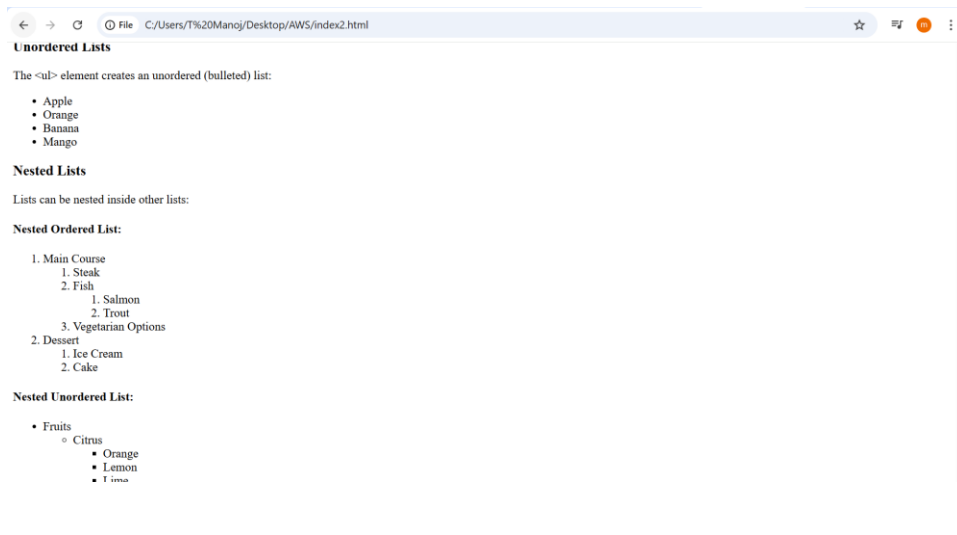
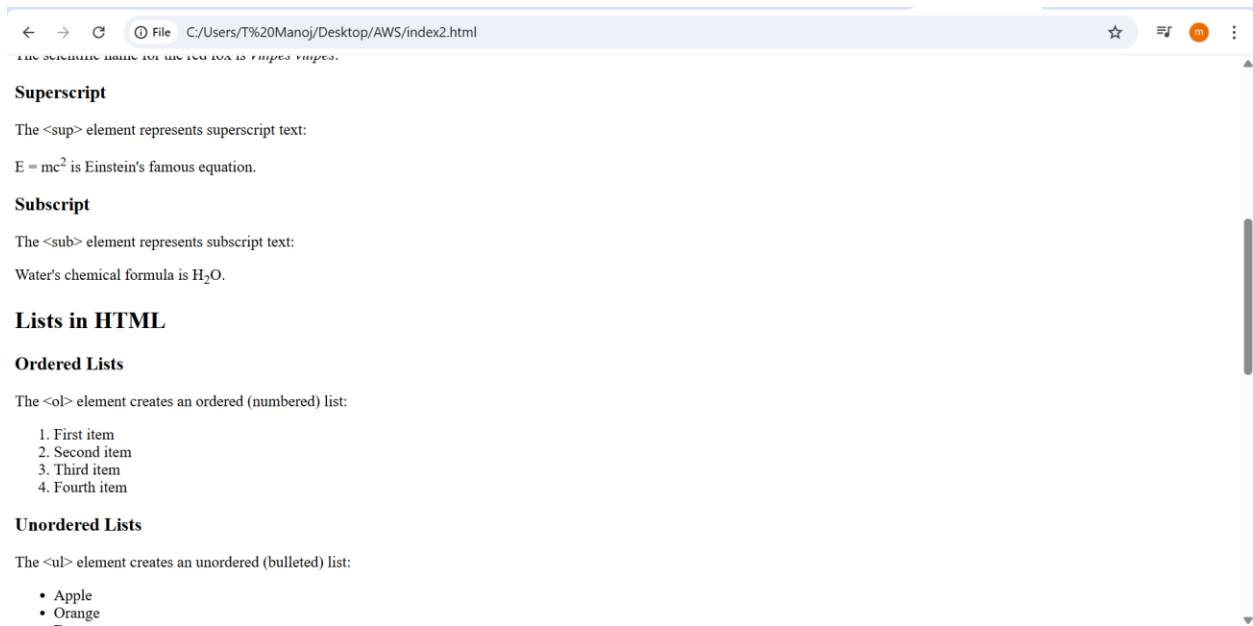
```
<ol>
  <li>Front-end Development
    <ul>
      <li>HTML</li>
      <li>CSS
        <ul>
          <li>Flexbox</li>
          <li>Grid</li>
        </ul>
      </li>
      <li>JavaScript</li>
    </ul>
  </li>
  <li>Back-end Development
    <ul>
```

```
<li>Node.js</li>
<li>Python</li>
<li>Databases
  <ol>
    <li>SQL</li>
    <li>NoSQL</li>
  </ol>
</li>
</ul>
</li>
</ol>
</body>
</html>
```

Output :







1. Ice Cream
2. Cake

**Nested Unordered List:**

- Fruits
  - Citrus
    - Orange
    - Lemon
    - Lime
  - Berries
    - Strawberry
    - Blueberry
- Vegetables
  - Root Vegetables
  - Leafy Greens

**Mixed Nested Lists:**

1. Front-end Development
  - HTML
  - CSS
    - Flexbox
    - Grid
  - JavaScript
2. Back-end Development
  - Node.js
  - Python
  - Databases
    1. SQL
    2. NoSQL

Create HTML file for the below: For links from (outside resource), Create file within the same location & create link, create file in a different location and get the output; and for Jump links (Attach the Output screenshot & HTML file)

Home Page :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>HTML Links Example</title>
</head>
<body>
  <h1 id="top">HTML Links Example</h1>

  <!-- Table of Contents for Jump Links -->
  <h2>Table of Contents</h2>
  <ul>
    <li><a href="#external-links">External Links</a></li>
    <li><a href="#same-location">Links to Files in Same Location</a></li>
    <li><a href="#different-location">Links to Files in Different
Locations</a></li>
    <li><a href="#jump-links">Jump Links</a></li>
  </ul>

  <!-- External Links Section -->
  <h2 id="external-links">External Links</h2>
  <p>Links to external websites (outside resources):</p>
  <ul>
    <li><a href="https://www.example.com" target="_blank">Example.com</a>
(opens in new tab)</li>
    <li><a href="https://www.google.com">Google</a> (opens in same tab)</li>
    <li><a href="https://developer.mozilla.org/en-US/docs/Web/HTML/Element/a">MDN Documentation on Links</a></li>
  </ul>
  <p><a href="#top">Back to top</a></p>

  <!-- Same Location Links Section -->
  <h2 id="same-location">Links to Files in Same Location</h2>
  <p>Links to files in the same directory:</p>
  <ul>
```

```

        <li><a href="index3.html">About Page</a> (about.html in same
directory)</li>
        <li><a href="index5.html">Contact Page</a> (contact.html in same
directory)</li>
        <li><a href="images/photo.jpg">View Photo</a> (file in images
subfolder)</li>
    </ul>
    <p><a href="#top">Back to top</a></p>

    <!-- Different Location Links Section -->
    <h2 id="different-location">Links to Files in Different Locations</h2>
    <p>Links to files in different directories:</p>
    <ul>

        <li><a href="index5.html">Root Directory File</a> (using absolute path
from root)</li>
        <li><a href="index3.html">File in Another Directory</a></li>
    </ul>
    <p><a href="#top">Back to top</a></p>

    <!-- Jump Links Section -->
    <h2 id="jump-links">Jump Links</h2>
    <p>Jump links allow navigation within the same page:</p>
    <ul>
        <li><a href="#section1">Jump to Section 1</a></li>
        <li><a href="#section2">Jump to Section 2</a></li>
        <li><a href="#section3">Jump to Section 3</a></li>
    </ul>

    <!-- Sections for Jump Links Demo -->
    <h3 id="section1">Section 1</h3>
    <p>This is the content of section 1. You can navigate here directly using a
jump link.</p>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt,
nisl eget ultricies tincidunt, nisl nisl aliquam nisl, eget aliquam nisl nisl
eget nisl. Nullam tincidunt, nisl eget ultricies tincidunt, nisl nisl aliquam
nisl, eget aliquam nisl nisl eget nisl.</p>
    <p><a href="#top">Back to top</a></p>

    <h3 id="section2">Section 2</h3>
    <p>This is the content of section 2. You can navigate here directly using a
jump link.</p>

```

```

    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt,
    nisl eget ultricies tincidunt, nisl nisl aliquam nisl, eget aliquam nisl nisl
    eget nisl. Nullam tincidunt, nisl eget ultricies tincidunt, nisl nisl aliquam
    nisl, eget aliquam nisl nisl eget nisl.</p>
    <p><a href="#top">Back to top</a></p>

    <h3 id="section3">Section 3</h3>
    <p>This is the content of section 3. You can navigate here directly using a
    jump link.</p>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt,
    nisl eget ultricies tincidunt, nisl nisl aliquam nisl, eget aliquam nisl nisl
    eget nisl. Nullam tincidunt, nisl eget ultricies tincidunt, nisl nisl aliquam
    nisl, eget aliquam nisl nisl eget nisl.</p>
    <p><a href="#top">Back to top</a></p>

    <hr>
    <footer>
        <p>This is a demonstration of different types of HTML links.</p>
        <p><a href="#top">Back to top</a></p>
    </footer>
</body>
</html>

```

About Page :

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About Page</title>
</head>
<body>
    <h1>About Page</h1>
    <p>This is the about page that was linked from the main HTML Links Example
    page.</p>
    <p>This file (about.html) is in the same directory as the main page.</p>
    <p><a href="index4.html">Back to main page</a></p>
</body>
</html>

```

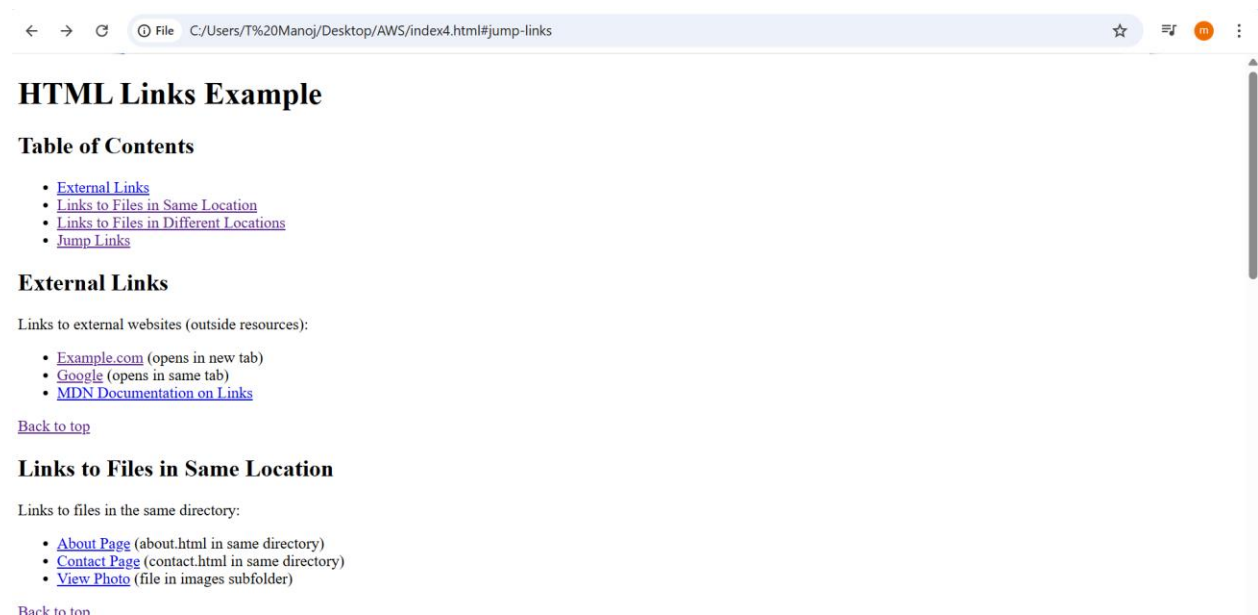
Contact Page :

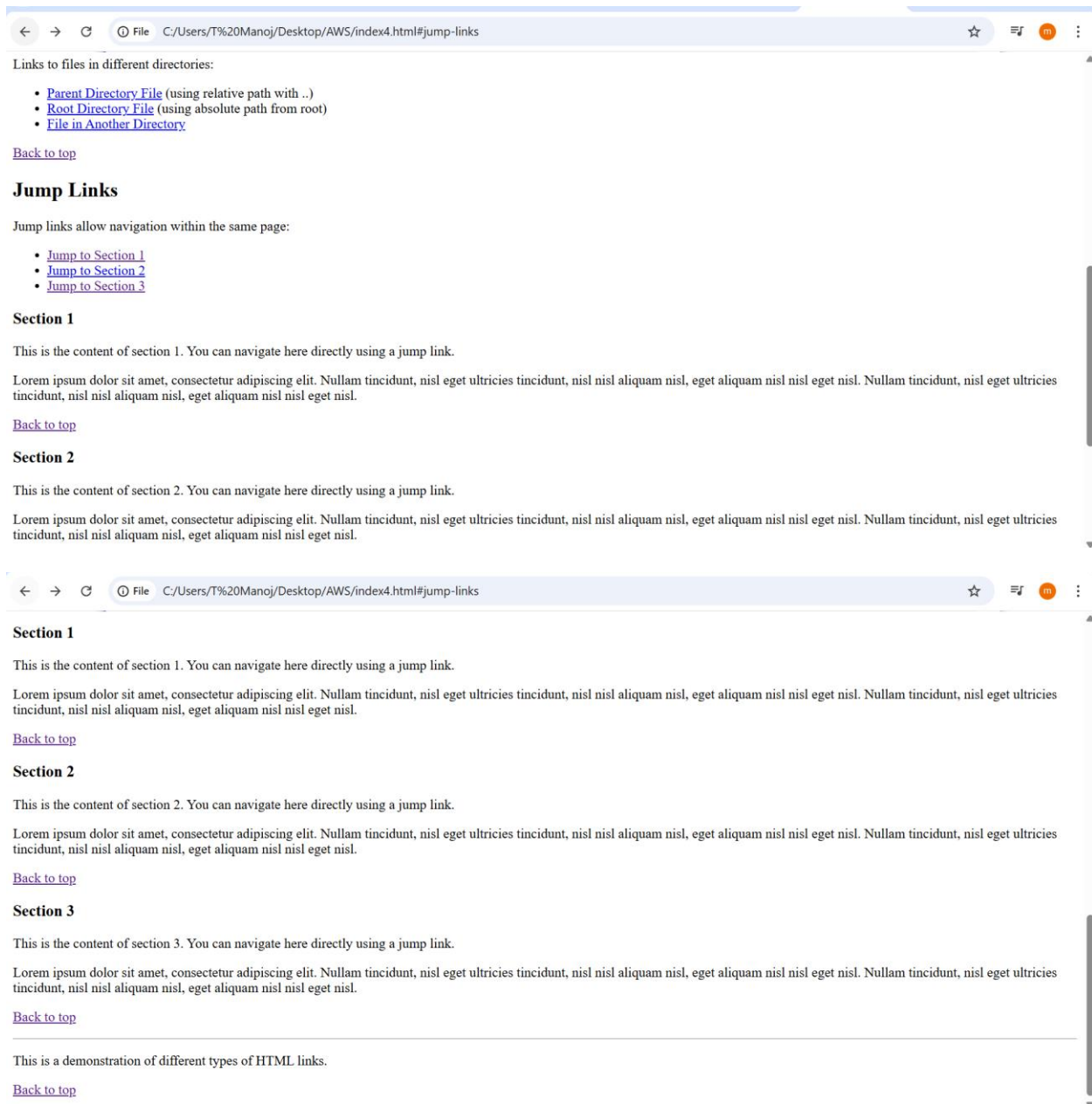
```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Contact Page</title>
</head>
<body>
  <h1>Contact Page</h1>
  <p>This is the contact page that was linked from the main HTML Links Example
page.</p>
  <p>This file (contact.html) is in the same directory as the main page.</p>
  <p><a href="index4.html">Back to main page</a></p>
</body>
</html>

```

Output :





Create HTML file for images by showing the sources, and for the outside URL; and add images with the alt attribute (Attach Output screenshot & HTML file)

Code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Image Sources in HTML</title>
</head>
<body>
  <h1>Displaying Images in HTML</h1>

  <h2>Local Image</h2>
  <p>This is an image from the local directory:</p>
  

  <h2>External Image</h2>
  <p>This is an image loaded from an external URL:</p>
  <img
src="data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD/2wCEAAkGBxASDxUPDxIVFRUPF
RUPFQ8VFRUVDw8PFRUWFhUVFRUYHSggGBolHRUITEhJSkrLi4uFx8zODMsNygtLisBCgoKDg0OFxAQFy
0dHx0rKy0rLTctLS0tNysrLSsrLSsrLS0tKystKystLSstLSstKystNysrLS0rLS0tLS0tK//AABEIAKg
BLAMBIgACEQEDEQH/xAAcAAACAwEBAQEAAAAAAAAAAgEDBAUGBwj/xAA+EAACAgEBBACGBQMACwEA
AAAAAQIDBBEFEiExBhNBXYGR8AcUUbHC0SIygaHBFUKzIyUzNDZTZHJ0kuIW/8QAGgEAAgMBAQAAAAAA
AAAAAAQIAAwQFBv/EACYRAQEBAAIIBBAEEAwEAAAAAAAAABAgMREgQTIVExFDJBcSMzYSL/2gAMAwEAAh
EDEQA/APGABB6x5cxIug26ADIZCqIyiAtMiyKEjFFkYi1XaeKLYxEhBemy6NfriBTqw0YlsYkQr9as0V0
r1qLap1oQgX11D1Y/rVm2nFXpsr1osnamug1V45pqxF3+bNveIu/zf3KdbaM8TLDGLo45thiLv82XRxF3
+bKryL88LnPGK54x2PdF3+b+4k8Rd/mwTkNeBwLMQolindsxF3+bKZYi9Nlk5FN4nD1jP4CPH7jtvDXps
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vhAWETTVAW1n1o1cDZTTqRRUDPHOKta6LnPlS0UHQPOLKKDfTQZd7bePiU1UGqukvrqL411F22441MKix
VlygNuldrRMKerK51mrQSSJ2lywzrKZVG2yJS4jyqNYZXUK6jU0G6N5K/BjdJXKk37orgHyLeNz3QR1Ju
cBdwbyJ4Msay6MB90ZIFozPQihkCRIDhDIUZAGNNJqiZaTXEqrVgV85eP0xLCuwnLx+mJYKufn0I/cAj9
/meic0yHQqHSBSU0UWRQsEWxQtVaQyCLoREgjRXEws+9LaoGyisrpgdPFpKta6UyeVW41J1cegTFpOpRU
Y97b+HiFNjsrrJrrL4xM2t0jjj6RGA6iSkMJ2vkRoSAAN0gSSLGJIJazzRTJGiaKZDxTqK9A0JaAJC6EN
DkBD0jQrQ7RDD2WwmhGgwBJ0UCSCiklEEoiRppNcTHSa4FWmrjTXz14/TEsK6+cvH6Yjirn5+Jh9/mCJg
vX6noXMP0PFCpFKUCq7TxRdCJXFGiCFqnVPWjXTAqqibqKxLWXVaMao70LSZc0k7WLSZ0TbRwca7Hq0hV
WJTWa4RMetOtxcFUTGI6QJDaFbTIgkCQCgCSCIGVjisgVTNFMkaJIqkh4q1FLRA7QrGV0pBLIICGQyWQw
lpWQxmQEtQQSQEoJRBKii+k2QMVRsgV6aeM1fOXj9MRyuvnLx+mJYIvfAEhoL+fmCQ0F/PzPQ1yrTJfSu
JFFsULVWqeCNfCSuCNNURaz7q+mJ1MSoyY9Z2cKoo5NdK8Z8q24dJ2Mesy4tR1KYGDk063BxrK4lyQsUf
K+n3tJvryJYwz9IuqXVTv3V0cruThVF6rg/wALbTbeummmrZ6106PHx3V6j6wiT4Pf0o6Q4Thbku1Rm+C
vqg6pvTXdeiTi900mqfA93b01eVsPIzcdUq+i07OK0fVW6x4xbXGLUtVw+K5oXyi28Nnt3oH5/wBld0Nt
W72NRbO62/dUWoQ1bWo6uW4t3Ra6rWT5JdnNWUdNts4GRuZcrJu0kp42Q1+OD7YzS1WvHSSbXc9NAecP7
```



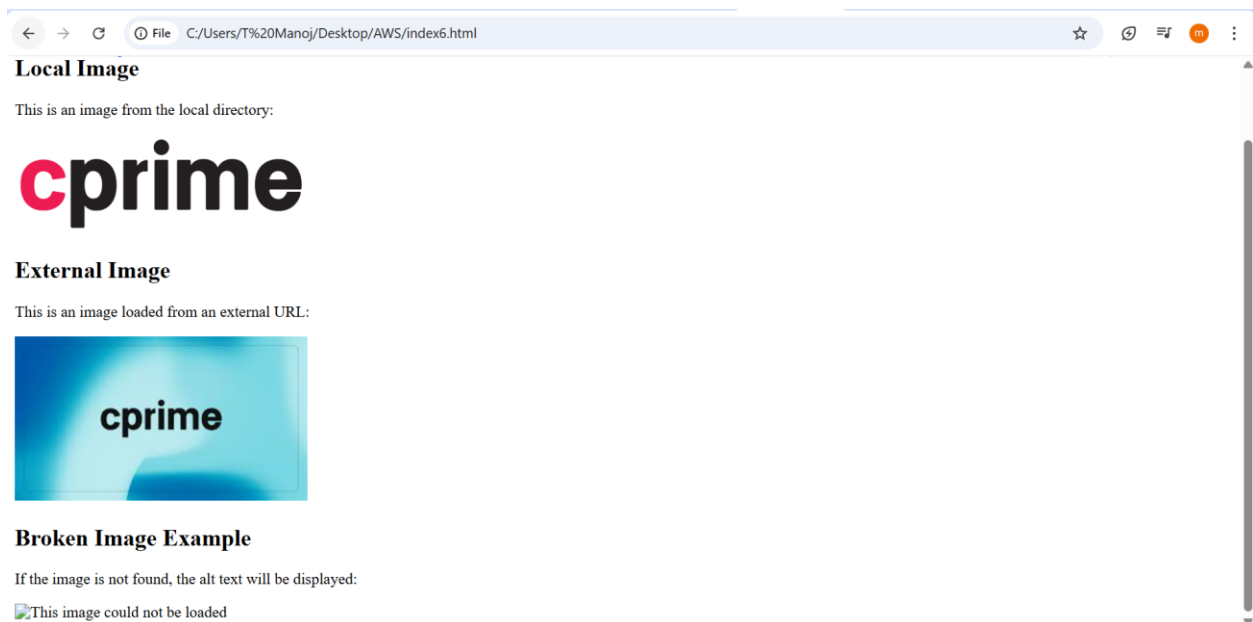
GvuPvgHiOnXSWa2NHPwbHB30mUZ6Rc1Cb/FFpprXsfgfPt1dN9uX0zx8XrLrd7rHfGuM7K6tE1FJR3Ypt  
Pi+PYg3Uhc8V103pva7btRX0rE94VDhzx+s1eRvPVTdfH8u5onw56dp9A6Pe8e50e9/wC36qHW8tes046  
6cNfjp26nzz2tdJs7EyqK8W+VUZ0b8opQes9+S1/FF9hu6V9IMurYGG11XSjdd7tv2pR3p79MpS4NacWk  
+QO+rRubc5nw+htFconxDZXsvb2XTKjFd1soSdk8iEYdZGDi1GveaUYrWMnw/E9fgnrTsH2i7Qxb9Muc7  
oRco2U2pK6ElquEmk4yT5p80fDtRnJC302vn5j7fJCM+Kba2/t/dWba76KbGnDcioUxUvyrTtXR9jnz/U  
9x7M+ldudVZXka03H3dbEkutrnro2lwUk4vXTRcV3j55Jb0p5PT6zny77ewZB8o6Y+0LJ1kSxtnvdjCXV  
dbGKndfZrutQTT0WvBaLV/rocq/pBtzC1GeRK1KfKN8Yzqs7XHVcn3Jpk92JPSbs/Mnf8PtbIOR0U2/DO  
x1kQW603XZXrr1dq01Wvammn8Gdcs17ZNZub1UEMkgYiCCSAGCUQBAXVs2VswWZrqZXpo46tr5y8fpiW  
FVXOXj9MS0RoFBNWv5+ZKiNCP8/M79rj2mii6Kfi6uIqnVPWjZTEpqibceAtrNqtmHwd3DqMGfUdzEr  
MfLpq9Phsx6zdCJTtA0xRi1XY489Q8FxPzz0CW/t2jreLd903r/wA1Rtkv130j9DI+KdPOhmZi5stoYEZ  
yhKz31SqW9bjXN70tYLVu09q09GtHo++nf8Vt4LPmf67t3Z+NkY8qctJ1ScXJSk4LWMk4/jTtXFLt7jy  
3S7YeJi7EzFh1QrjZWnJxbe/uyjo3Jtt8329p812v0h2zt0EcSdU5R1TdVVEoqyS50x8eC581HtfJaeW  
Raez+jeZC7Trb49bZGL1jX+KCjBPt0S4v4t9gO+/wCDTFz13f5/DmewiuLysmT03o0wUX2qEpvf0/WMP2  
NPt6hHfw5f3tXxfxcE6mtf1b82eF6J259Nk8zZ8ZS1jxUbN2PWf6KxvhKvnK0s00nLRPhzN1901dsZS10  
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VrRfu/M1d09g0jo/DCx4SsdMqV+CD1Kct/esnux1fGTk/wBRfY1h21YmQrq51uV6aU4Sg2uritUpJDSfM  
V2y4v8Abzft1/33H/8AHf8A1kb+m/8AwvgeGJ/gmUe2zZ99mZRKqm2xKhpuFc5pPrJPRuKfE39M8G6XRv  
CqjVZKcPdd6uMJ0y01E09YparRg+x1nWgv2GL/AFfc/wDqpf4aTwHtJgv65kLRaOyjVdj1pp189WfRvYr  
iW14F0ba51t5MpKM4yhJx6qla6SS4ap+R4X2ibMyJbbunCi2UZWUNTjXOUG1VSnpJLTmn5Ev7YmL/AJDp  
q3tFgv6V180VMn5NNfI+a+xvXfzXHmqItf8AdrPQ+n9P6pT2Z1xhFy1KmaUYpuUn8ElzPn/sUwbq78121  
WQTrrSc4Sgm1KXBbyWo9/dFWf8AVp886Lyy1k1Swo718VJwjpGX9jUnpLhwi5Hqtu/1/Jpd0VQ3W5R1+S  
iGkk+DUk+Hw/V1XSnopmb0zHk4cZuqM+tpurjvOnXV7k4pPRLVrit1rxaM01NvbS2qo47hvqMk+qprkou  
fJSSbb001fNpLUSfHxe1+v/Vms9dfd/Me09kuzcmi0TG+DhGTq1FNxestLFP8rfZuH0A870F60e44nVS0  
dlkutta/KpNJKK+KSSWvx1Z6E04nWZHK59+XJACAAQgAAI1AAIB4mmpmVF9TF0tXWmrnLx+mJcZ6Xx14  
/TEvKmmPhiQ9a+b+Y6iPXH+fmd1w7r4EY10IhCBfCALV0tHpgdLFRm1FZ1c0oq3omZ5V0MKo7WNWYc0s6  
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TuptrUoUqLsrnDeadmum81rzR9YbAASdQd68r2AAAI1BGoARAYNSWK2EAJJkt1NkwwmqSxmechrJ1TZZIz  
6oZAEDKwQABKCCSCAAIAiGRZB1Q0WCmla8eXGXj9MTSmYceXGXj9MTWmV2Nwa+OqA9cPm/my2MB64/N/N  
nZ7eduiwgaK4EQiaaoi2k77XY9Z18SsxY8Dr4kDNyaaUHL0YsDpVRMmNE3QRi3XY4c9RYkMQiStpgJAAC  
AACIAACIBdSnIyFHH2vsMzz04aZtV65My9N+8hXM57ymI72N4VXeeOi51Ur0YHNkah8CXmaZ5BTkwr1Ab  
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hHtob2dF/U4ek3w3zzL20L/WWT2NB+qy9P1iDrEeX/AKww/q7D7Gk/VZen6xB1qPMrawy2qT2an6nL0fW  
oOsPPx2mWx2gD2qM9R1298neOVDNRfDJQtXtZ11b9SdTNC0tjMXo80tAVMkBkgAEQsOcvH6Y1upVDnLx+  
mI4Ddvn6Y1X8v5srTJhLTn468+Z0q4rVA2UGGE16TNmPnd/kyvRsT5dbFR2MVHGxZrv8mdnGmu/yf2MnJ  
XT4I6VSL0Z67F3+T+xarF3+T+xlrp5i0B0tXf5P7B1q7/J/YVYsAtRV3+T+wdau/wAn9iIchi9au/yf2E  
lau/yf2IiJaGSq65WS5QTK/wBEfLL8yUp0Unxk3J+L4nsem+dpQoLXWySXJ/ljxf76eZ4CUwJ0n6TEme  
/txfXa89zP0v1kMR3szyn60Yjn60Zr+GWcbS72K7jNvetGRv+tGH4N7bT1wdcZnP1xI3yD7f/ABrVxKuZ  
j3yd/wBcSJ7bYrx1eYes9cSVZ64g+C3jdBX1scg5is9cR42euJOoS8Tr15LNdOWzhRt9cS+F/riJcwnjY  
9LR1nQpv1PK05PrRnSxctekyjGt4+Wz4r0UJlqZzKM1d/kzZC5d/kzPY2Z120okqv17/J/YbrF3+T+wq  
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AAgoZXYyADC6/Dw/TST1bGPZC0v6yf/yjy11YAdfh+MR5zn1fd1/bPOBXJABeOaRogActKAAQQAARASSB

```
ETqMmAELTplsJAAFeo0VzNtFgAJVGnVxLTq0TADJyRq4bemqDLEAFFbIkCAAL//Z"
alt="Description of External Image" width="300">

<h2>Broken Image Example</h2>
<p>If the image is not found, the alt text will be displayed:</p>

</body>
</html>
```

Output :



Final Project: Add all the elements and attributes within a single file; and all the Elements needs to be an Nested Elements (or) Nested Links (Attach Output screenshot & HTML File)

```
<!-- Project 1: HTML with Headings, Comments, and Paragraphs -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Headings, Comments & Paragraphs</title>
</head>
<body>
  <!-- This is a comment explaining the headings below -->
  <h1>Main Heading</h1>
  <h2>Subheading 1</h2>
  <h3>Subheading 2</h3>
  <h4>Subheading 3</h4>
  <h5>Subheading 4</h5>
  <h6>Subheading 5</h6>
  <p>This is a paragraph demonstrating text formatting in HTML.</p>
</body>
</html>

<!-- Project 2: HTML File with Formatting and Lists -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Text Formatting & Lists</title>
</head>
<body>
  <p><strong>Strong text</strong>, <b>Bold text</b>, <em>Emphasized text</em>,
  <i>Idiomatic text</i></p>
  <p>Superscript example: H<sup>2</sup>O</p>
  <p>Subscript example: CO<sub>2</sub></p>
  <h3>Ordered List</h3>
  <ol>
    <li>Item 1</li>
    <li>Item 2</li>
    <li>Item 3</li>
  </ol>
```

```

<h3>Unordered List</h3>
<ul>
  <li>Item A</li>
  <li>Item B</li>
  <li>Item C</li>
</ul>
<h3>Nested List</h3>
<ul>
  <li>Main Item 1
    <ul>
      <li>Sub-item 1</li>
      <li>Sub-item 2</li>
    </ul>
  </li>
</ul>
</body>
</html>

<!-- Project 3: HTML Links -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Links and Navigation</title>
</head>
<body>
  <h2>External Link</h2>
  <a href="https://www.example.com" target="_blank">Visit Example</a>

  <h2>Internal Link</h2>
  <a href="localfile.html">Open Local File</a>

  <h2>Jump Link</h2>
  <a href="#section">Jump to Section</a>
  <p id="section">This is the jump link target section.</p>
</body>
</html>

<!-- Project 4: Images in HTML -->
<!DOCTYPE html>
<html lang="en">
<head>

```

```
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Images</title>
</head>
<body>
  <h2>Local Image</h2>
  

  <h2>External Image</h2>
  

</body>

</html>

<!-- Project 5: Final Project with Nested Elements -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

```

<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Final Project</title>
</head>
<body>
  <h1>Main Heading</h1>
  <p><strong>Bold text</strong> inside a paragraph. <em>Emphasized text</em>
follows.</p>
  <ul>
    <li>Item 1
      <ol>
        <li>Sub-item 1</li>
        <li>Sub-item 2</li>
      </ol>
    </li>
  </ul>
  <h2>Navigation</h2>
  <a href="https://www.example.com">Visit Example</a>

</body>
</html>

```

Output :

