

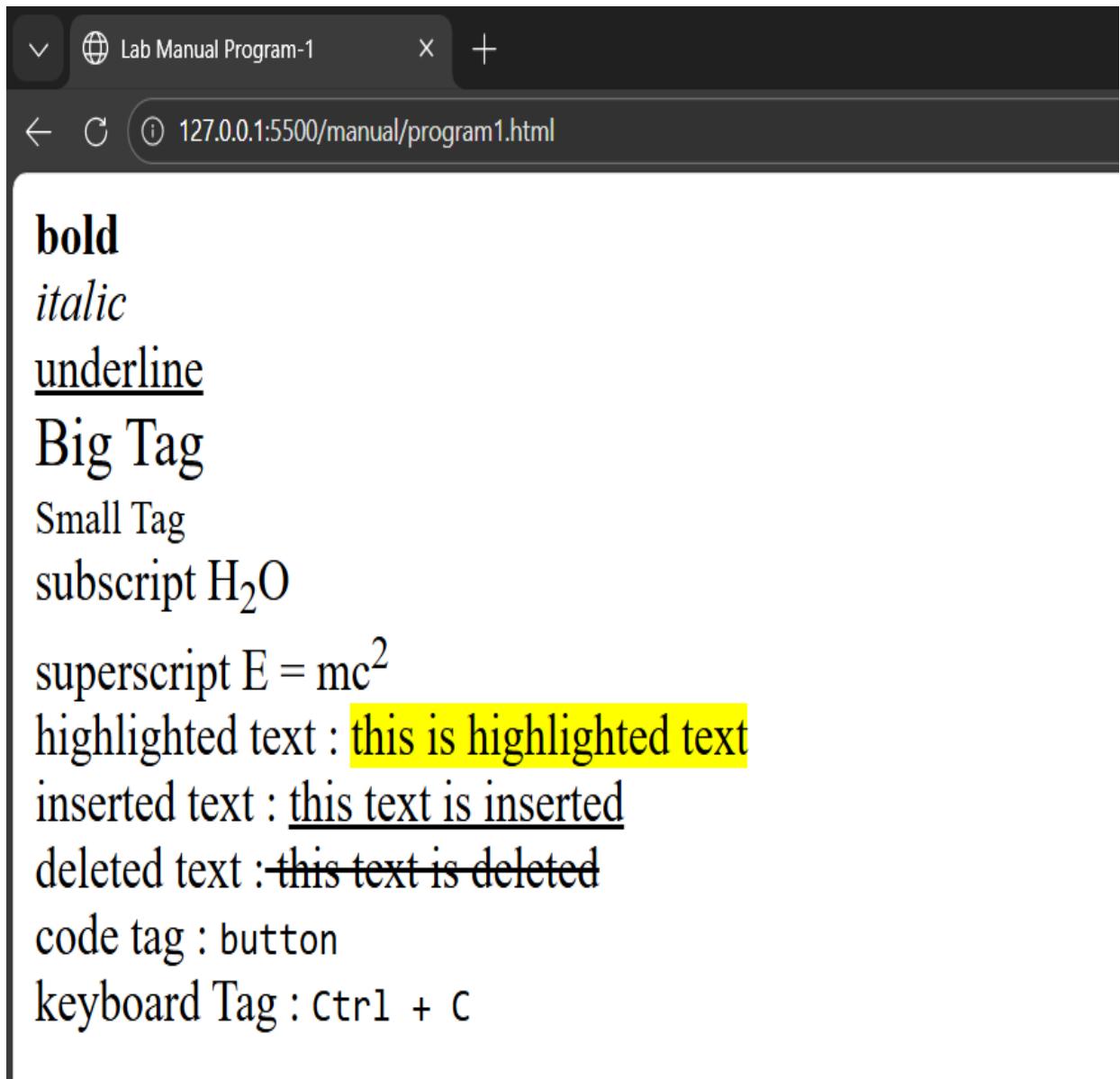
Program 1:

Demonstrate all the text formatting tags in a single HTML page.

Source code:

```
<!doctype html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Lab Manual Program-1</title>
</head>
<body>
<div>
<strong>bold</strong> <br />
<i>italic</i> <br />
<u>underline</u><br />
<big>Big Tag</big><br />
<small>Small Tag</small>
</div> <div>
    subscript H<sub>2</sub>O <br />
    superscript E = mc<sup>2</sup>
</div>
<div>highlighted text : <mark> this is highlighted text </mark></div>
<div> inserted text : <ins> this text is inserted </ins> <br />
    deleted text :<del> this text is deleted </del>
</div> <div>
    code tag : <code>button</code><br />
    keyboard Tag : <kbd> Ctrl + C </kbd>
</div>
</body>
</html>
```

Output:



Program 2:

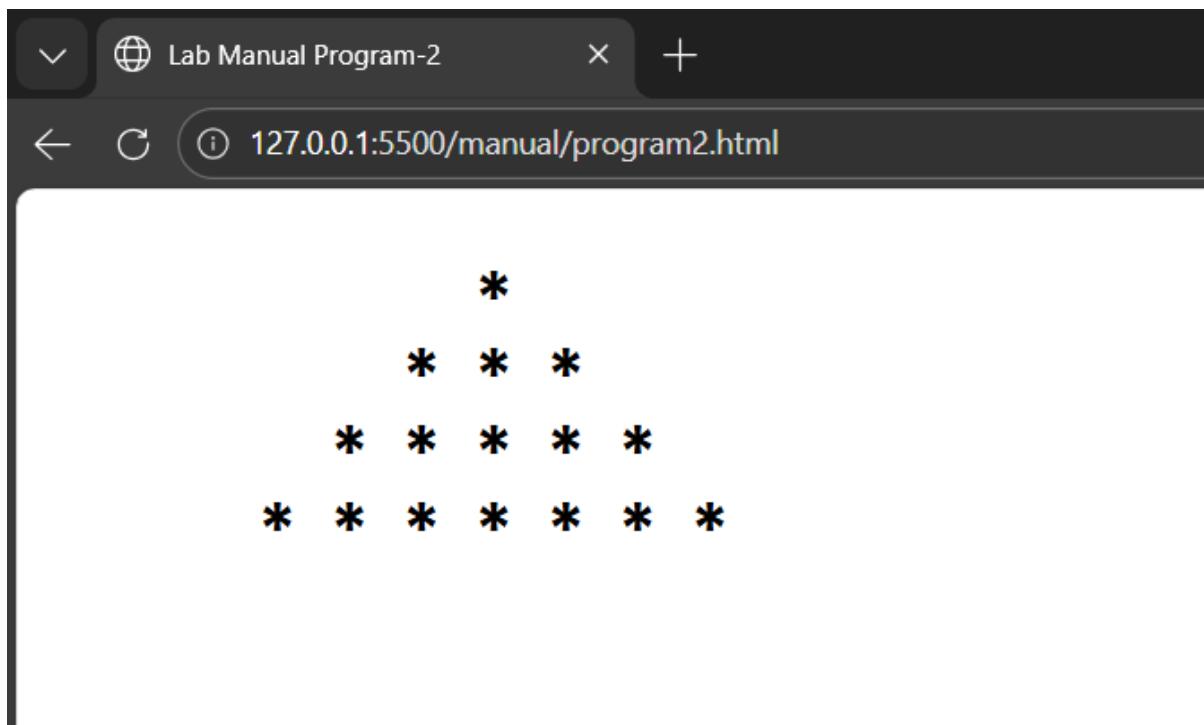
Write a HTML code to draw the following Figure :

```
*  
* * * *  
* * * * *  
* * * * * * *
```

Source code :

```
<!doctype html>  
<html lang="en">  
  
<head>  
    <title>Lab Manual Program-2</title>  
</head>  
  
<body>  
    <h2>  
        <pre>  
            *  
            * * *  
            * * * * *  
            * * * * * * *  
        </pre>  
    </h2>  
</body>  
</html>
```

Output:



A screenshot of a web browser window titled "Lab Manual Program-2". The address bar shows the URL "127.0.0.1:5500/manual/program2.html". The main content area displays a vertical column of asterisks (*). The pattern consists of four rows of asterisks, with the first row having one asterisk, the second row having three asterisks, the third row having five asterisks, and the fourth row having seven asterisks.

```
*  
* * *  
* * * * *  
* * * * * * *
```

Program 3:

Create a web page to print the following table:

List of Course-wise Subjects

Sr. No.	Course	Subject	Marks		Category		Practical/Theory
			Internal	External	Internal	External	
1	MBA	Management Accounting	30	70	-	✓	Theory
		Information Technology	30	70	-	✓	T and P
		Basics of Marketing	30	70	-	✓	Theory
		E-Commerce	50	-	✓	-	Theory
2	MCM	Visual Basic	30	70	-	✓	T and P
		Internet Technology	30	70	-	✓	T and P
		Network Technology	30	70	-	✓	Theory
		VB.Net	30	70	-	✓	T and P
		Linux	30	70	-	✓	T and P
		ISA	50	-	✓	-	Theory

Source code :

```
<!DOCTYPE html>
<html>
<head>
<title>Lab Manual Program-3</title>
</head>
<body> <h2 align="center">List of Course-wise Subjects</h2>
<table border="1" cellspacing="0" cellpadding="8" align="center">
<tr>
<td rowspan="2">Sr. No.</td>
<td rowspan="2">Course</td>
<td rowspan="2">Subject</td>
<td colspan="2">Marks</td>
<td colspan="2">Category</td>
<td rowspan="2">Practical / Theory</td>
</tr>
<tr>
<td>Internal</td>
<td>External</td>

```

<td>Internal</td>
<td>External</td>
</tr>
<tr>
<td rowspan="4">1</td>
<td rowspan="4">MBA</td>
<td>Management Accounting</td>
<td>30</td>
<td>70</td>
<td>-</td>
<td>✓</td>
<td>Theory</td>
</tr>
<tr>
<td>Information Technology</td>
<td>30</td>
<td>70</td>
<td>-</td>
<td>✓</td>
<td>T and P</td>
</tr>
<tr>
<td>Basics of Marketing</td>
<td>30</td>
<td>70</td>
<td>-</td>
<td>✓</td>
<td>Theory</td>
</tr>
<tr>

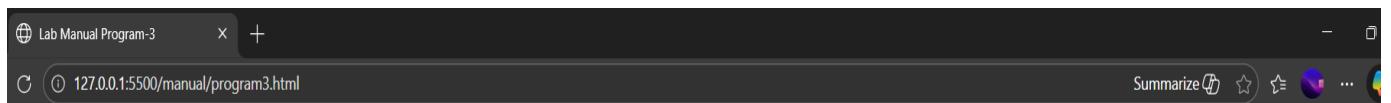
E-Commerce	50	-	<input checked="" type="checkbox"/>	Theory
2	MCM	Visual Basic	<input checked="" type="checkbox"/>	T and P
30	70	-	<input checked="" type="checkbox"/>	T and P
Internet Technology	30	70	<input checked="" type="checkbox"/>	T and P
Network Technology	30	70	-	

```

<td>✓</td>
<td>Theory</td>
</tr>
<tr>
    <td>VB.Net</td>
    <td>30</td>
    <td>70</td>
    <td>-</td>
    <td>✓</td>
    <td>T and P</td>
</tr>
<tr>
    <td>Linux</td>
    <td>30</td>
    <td>70</td>
    <td>-</td>
    <td>✓</td>
    <td>T and P</td>
</tr>
<tr>
    <td>ISA</td>
    <td>50</td>
    <td>-</td>
    <td>✓</td>
    <td>-</td>
    <td>Theory</td>
</tr>
</table>
</body>
</html>

```

Output:



List of Course-wise Subjects

Sr. No.	Course	Subject	Marks		Category		Practical / Theory
			Internal	External	Internal	External	
1	MBA	Management Accounting	30	70	-	✓	Theory
		Information Technology	30	70	-	✓	T and P
		Basics of Marketing	30	70	-	✓	Theory
		E-Commerce	50	-	✓	-	Theory
2	MCM	Visual Basic	30	70	-	✓	T and P
		Internet Technology	30	70	-	✓	T and P
		Network Technology	30	70	-	✓	Theory
		VB.Net	30	70	-	✓	T and P
		Linux	30	70	-	✓	T and P
		ISA	50	-	✓	-	Theory

Program 4

Using table related tags align the images with hyperlinks.

The screenshot shows a Microsoft Internet Explorer window with the title bar "Images - Windows Internet Explorer" and the address bar "D:\Practices for BSc\BSc Record Work\Tableimg.html". The main content area displays a 3x4 grid of mobile network logos. The first row contains Vodafone, Aircel, Tata Indicom, and Airtel. The second row contains Docomo, a central cell labeled "Table With Images", and AIRCEL. The third row contains Uninor, MTC, Hutch, and Docomo. Each logo is enclosed in a separate table cell, and the entire grid is contained within a larger table structure.

	Table With Images		

Source code :

```
<!DOCTYPE html>
<html>

<head>
    <title>Lab Manual Program-4</title>
</head>

<body>
    <h2 align="center">Table With Images</h2>
    <table border="1" cellpadding="15" cellspacing="0" align="center">
        <tr>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
        </tr>
        <tr>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
            <td align="center">
                <a href="https://www.myvi.in/" target="_blank">
                    
                </a>
            </td>
        </tr>
    </table>
</body>
```

```

</td>
<td align="center">
    <a href="https://www.axis.com" target="_blank">
        
    </a>
</td>
<td align="center">
    <a href="https://www.tata.com/business/tata-teleservices" target="_blank">
        
    </a>
</td>
<td align="center">
    <a href="https://www.airtel.in/" target="_blank">
        
    </a>
</td>
</tr>
<tr>
    <td align="center">
        <a href="https://www.ntt-docomo.ne.jp/english/" target="_blank">
            
        </a>
    </td>
    <td align="center" colspan="2">
        <b>Table With Images</b>
    </td>
    <td align="center">
        <a href="https://www.aircel.com/" target="_blank">
            
        </a>
    </td>

```

```

</td>
</tr>
<tr>
<td align="center">
<a href="https://www.telenor.com/" target="_blank">

</a>
</td>
<td align="center">
<a href="https://www.mtc.com.na/" target="_blank">

</a>
</td>
<td align="center">
<a href="http://hutch.lk/" target="_blank">

</a>
</td>
<td align="center">
<a href="https://www.ntt-docomo.com/english/" target="_blank">

</a>
</td>
</tr>
</table>
</body>
</html>

```

Output:



Table With Images

	Table With Images		

Program 5

Create a web page with the following using HTML:

- I. To embed an image map in a web page
- II. To fix the hot spots
- III. Show all the related information when the hot spots are clicked.

Source code :

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Lab Manual Program-5 </title>
</head>
<body>
    <h2>Image Map Using HTML</h2>
    
    <map name="imagemap">
        <area shape="rect" coords="0,0,400,75"
            href="https://www.google.com" alt="Google">

        <area shape="rect" coords="0,75,400,150"
            href="https://www.youtube.com" alt="YouTube">

        <area shape="rect" coords="0,150,400,225"
            href="https://www.instagram.com" alt="Instagram">

        <area shape="rect" coords="0,225,400,300"
            href="https://www.facebook.com" alt="Facebook">
    </map>
</body>
</html>
```

Output:

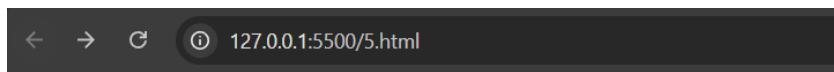
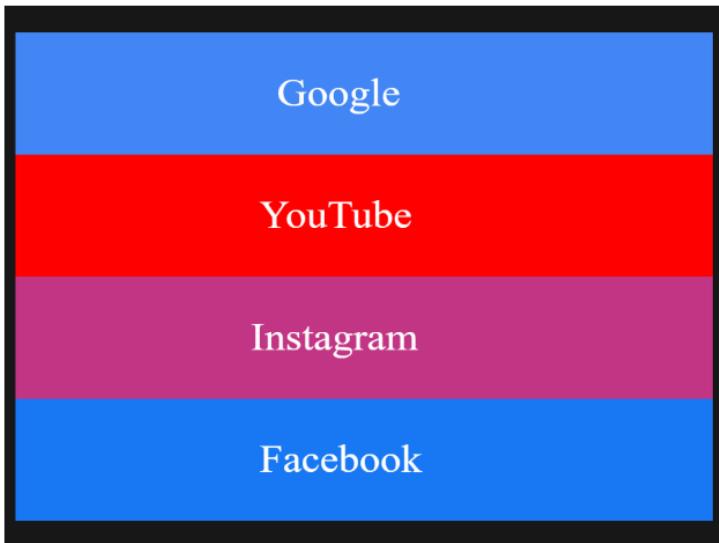


Image Map Using HTML



Program 6

Write a HTML code for the following snapshot.

Basic information

Full name:

Birth date:

Gender: Male Female

Address:

Phone number:

Extra information

Interests: Books Movies Videogames

Favorite color:

Source code :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Form Example</title>
</head>
<body bgcolor="#dbe7f6">
<form>
<fieldset>
<legend>Basic information</legend>
    Full name:
    <input type="text" name="fullname"><br><br>
    Birth date:
    <input type="date" name="birthdate"><br><br>
    Gender:
    <input type="radio" name="gender"> Male
    <input type="radio" name="gender"> Female
    <br><br>
```

```
Address:  
<input type="text" name="address"><br><br>  
Phone number:  
<input type="tel" name="phone"><br><br>  
</fieldset>  
<br>  
<fieldset>  
    <legend>Extra information</legend>  
Interests:  
    <input type="checkbox"> Books  
    <input type="checkbox"> Movies  
    <input type="checkbox"> Videogames  
<br><br>  
Favorite color:  
    <input type="color">  
<br><br>  
</fieldset>  
<br>  
<input type="submit" value="Send data">  
<input type="reset" value="Reset form">  
</form>  
</body>  
</html>  
  
</html>
```

Output:

The screenshot shows a web browser window with the title "Lab Manual Program-6". The URL in the address bar is "127.0.0.1:5500/manual/program6.html".

Basic information

Full name:

Birth date:

Gender: Male Female

Address:

Phone number:

Extra information

Interests: Books Movies Videogames

Favorite color:

Program 7

Create a web page of customer profile for data entry of customer's in a Hotel,
The profile should include Name, Address, Age, gender, Room Type (A/C, Non-A/C or Deluxe), Type of payment (Cash, Credit/Debit Card or Coupons).

Source code :

```
<!DOCTYPE html>
<html>

<head>
    <title>Lab Manual Program-7</title>
</head>

<body style="background-color:lightblue;">
    <form>
        <fieldset>
            <legend>Basic Information</legend>
            Full Name:
            <input type="text" name="name"><br><br>
            Age:
            <input type="number" name="age"><br><br>
            Gender:
            <input type="radio" name="gender" value="Male"> Male
            <input type="radio" name="gender" value="Female"> Female<br><br>
            Address:
            <input type="text" name="address"><br><br>
        </fieldset>
        <br>
        <fieldset>
            <legend>Room & Payment Information</legend>
            Room Type:<br>
```

```
<input type="radio" name="room" value="AC"> A/C  
<input type="radio" name="room" value="Non-AC"> Non-A/C  
<input type="radio" name="room" value="Deluxe"> Deluxe<br><br>  
Type of Payment:<br>  
<input type="radio" name="payment" value="Cash"> Cash  
<input type="radio" name="payment" value="Card"> Credit/Debit Card  
<input type="radio" name="payment" value="Coupons"> Coupons<br><br>  
</fieldset>  
<br>  
<input type="submit" value="Send Data">  
<input type="reset" value="Reset Form">  
</form>  
</body>  
</html>
```

Output:

The screenshot shows a web browser window titled "Lab Manual Program-7" with the URL "127.0.0.1:5500/manual/program7.html". The page displays a form with two main sections: "Basic Information" and "Room & Payment Information".

Basic Information

- Full Name:
- Age:
- Gender: Male Female
- Address:

Room & Payment Information

- Room Type:
 A/C Non-A/C Deluxe
- Type of Payment:
 Cash Credit/Debit Card Coupons

Action Buttons

Program 8

Demonstrate the use of following HTML5 Tags:

- I. <Video>
- II. <Audio>
- III. <Header>
- IV. <Footer>
- V. <Nav>
- VI. <Embed>
- VII. <Datalist>
- VIII. <Bdi>
- IX. <Article>
- X. <Output>

Source code :

```
<!doctype html>
<html lang="en">
<head>
    <title>Lab Manual Program-8</title>
</head>
<body>
    <header>
        <h1>This is Header.</h1>
    </header>
    <nav>
        <a href="#" target="_blank">Home</a>
        <a href="#" target="_blank">Projects</a>
        <a href="#" target="_blank">Academic</a>
        <a href="#" target="_blank">About Me</a>
    </nav>
    <h3>Video element</h3>
```

```

<video controls autoplay loop muted width="250"
src="/video/Detailed_Google_Cloud_Computing_Foundations_Summary[1].mp4"
alt="Video here"></video>

<h3>Audio element</h3>

<audio controls autoplay loop muted src="/audio/1.mpeg"></audio>

<h3>Embed Element</h3>

<embed type="image/jpg" src="/image/axis.png" width="250" height="150"></embed>

<h3>Datalist Element</h3>

<form>

    <label for="browser">Choose your browser from the list:</label>
    <input list="browser" name="browser" id="datalist-tag">
    <datalist id="browser">
        <option value="Edge">
        <option value="Firefox">
        <option value="Google Chrome">
        <option value="Opera">
        <option value="Safari">
    </datalist>
    <input type="submit">
</form>

<h3>The bdi Element</h3>

<p>In the example below, usernames are shown along with the number of points in a contest. If the bdi element is not supported in the browser, the username of the Arabic user would confuse the text (the bidirectional algorithm would put the colon and the number "90" next to the word "User" rather than next to the word "points").</p>

<ul>
    <li>User <bdi>hrefs</bdi>:60 points</li>
    <li>User <bdi>jdoe</bdi>:80 points</li>
    <li>User <bdi>إيان</bdi>:90 points</li>
</ul>

```

```

<h3>Article element</h3>
<article>
    <h4>Google Chrome</h4>
    <p>Google Chrome is a web browser developed by Google, released in 2008. Chrome is
the world's most popular web
        browser today!</p>
    </article>
    <article>
        <h4>Mozilla Firefox</h4>
        <p>Mozilla Firefox is an open-source web browser developed by Mozilla. Firefox has
been the second most popular
            web browser since January, 2018.</p>
    </article>
    <h3>Output Element</h3>
    <form oninput="x.value=parseInt(a.value)+parseInt(b.value)">
        <input type="range" id="a" value="50">
        +<input type="number" id="b" value="25">
        =<output name="x" for="a b"></output>
    </form>
    <footer>
        © All Right Reserved.
    </footer>
</body>
</html>

```

Output:

This is Header.

[Home](#) [Projects](#) [Academic](#) [About Me](#)

Video element



Audio element



Embed Element



Datalist Element

Choose your browser from the list:

The bdi Element

In the example below, usernames are shown with the colon and the number "90" next to it. If the bdi element is not supported in the browser, the username of the Arabic user would confuse the text (the bidirectional algorithm would read "ints").

- User hrefs:60 points
- User doe:80 points
- User points 90:جع

Article element

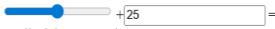
Google Chrome

Google Chrome is a web browser developed by Google, released in 2008. Chrome is the world's most popular web browser today!

Mozilla Firefox

Mozilla Firefox is an open-source web browser developed by Mozilla. Firefox has been the second most popular web browser since January, 2018.

Output Element



© All Right Reserved.

Program 9

Design an HTML page to create the following list.

1. **Programming Languages**
 - o **Python**
 - Frameworks
 - 1. Django
 - 2. Flask
 - Libraries
 - NumPy
 - Pandas
 - Matplotlib
 - o **Java**
 - Core Concepts
 - OOP
 - Multithreading
 - Exception Handling
 - Frameworks
 - 1. Spring
 - 2. Hibernate
2. **Web Development**
 - 1. **Frontend**
 - HTML
 - CSS
 - JavaScript
 - React
 - Vue.js
 - Angular
 - 2. **Backend**
 - Node.js
 - PHP
 - Ruby on Rails

Source code :

```
<!doctype html>

<html lang="en">

<head>
    <title>Lab Manual Program-9</title>
</head>

<body>
    <ol>
        <li><b>Programming Language</b></li>
        <ul>
            <li><b>Python</b></li>
            <ul>
                <li>Frameworks</li>
                <ol>
                    <li>Django</li>
                    <li>Flask</li>
                </ol>
                <li>Libraries</li>
            
        
    
</body>
```

```
<ul>
    <li>NumPy</li>
    <li>Pandas</li>
    <li>Matplotlib</li>
</ul>

</ul>

<li><b>Java</b></li>

<ul>
    <li>Core concepts</li>
    <ul>
        <li>OOP</li>
        <li>Multithreading</li>
        <li>Exception Handling</li>
    </ul>
    <li>Frameworks</li>
    <ol>
        <li>Spring</li>
        <li>Hibernate</li>
    </ol>
</ul>

</ul>

<li><b>Web Development</b></li>
<ol>
    <li><b>Frontend</b></li>
    <ul>
        <li>HTML</li>
        <li>CSS</li>
        <li>JavaScript</li>
    <ul>
        <li>React</li>
```

```
<li>Vue.js</li>
<li>Angular</li>
</ul>
</ul>
<li><b>Backend</b></li>
<ul>
<li>Node.js</li>
<li>PHP</li>
<li>Ruby on Rails</li>
</ul>
</ol>
</ol>
</body>
</html>
```

Output:

The screenshot shows a web browser window titled "Lab Manual Program-9". The address bar displays the URL "127.0.0.1:5500/manual/program9.html". The content area contains a hierarchical menu structure:

- 1. Programming Language**
 - **Python**
 - Frameworks
 - 1. Django
 - 2. Flask
 - Libraries
 - NumPy
 - Pandas
 - Matplotlib
 - **Java**
 - Core concepts
 - OOP
 - Multithreading
 - Exception Handling
 - Frameworks
 - 1. Spring
 - 2. Hibernate
- 2. Web Development**
 - 1. Frontend**
 - HTML
 - CSS
 - JavaScript
 - React
 - Vue.js
 - Angular
 - 2. Backend**
 - Node.js
 - PHP
 - Ruby on Rails