

Program 1:

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

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <p >
    <b >this is bold</b><br>
    <i >this is italic</i><br>
    <em >this is emphasize</em><br>
    <strong >strong tag</strong><br>
    <mark >marked text</mark><br>
    <del>deketed text</del><br>
    <ins>inserted text</ins><br>
    <p>this is <sub >subscript text</sub></p><br>
    <p>this is <sup >superscript </sup></p><br>
  </p>
</body>
</html>
```

Output:



this is bold

this is italic

this is emphasize

strong tag

marked text

~~deleted text~~

inserted text

this is subscript text

this is superscript

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 2:

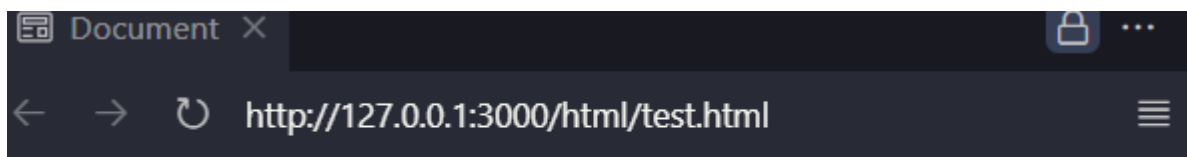
Write an HTML code to draw the following Figure:

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

HTML Code-:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <pre>
    *
  * *
* * *
* * * *
* * * * *
  </pre>
</body>
</html>
```

Output:-



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

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

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

HTML Code-:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Table </title>
</head>
<body>
  <br>
  <b><center>List of course-wise Subjects</center></b><br>
  <table border="1px">
    <tr>
      <th rowspan="2">Sr. No.</th>
      <th rowspan="2">Course</th>
      <th rowspan="2">Subject</th>
      <th colspan="2">Marks</th>
      <th colspan="2">Category</th>
      <th rowspan="2">Practical/Theory</th>
    </tr>

```

```

<tr>
  <th>Internal</th>
  <th>External</th>
  <th>Internal</th>
  <th>External</th>
</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>&check;</td>
  <td>Theory</td>
</tr>
<tr>
  <td>Information Technology</td>
  <td>30</td>
  <td>70</td>
  <td>-</td>
  <td>&check;</td>
  <td>T and P</td>
</tr>
<tr>
  <td>Basics of Marketing</td>
  <td>30</td>
  <td>70</td>
  <td>-</td>
  <td>&check;</td>
  <td>Theory</td>
</tr>
<tr>
  <td>E-Commerce</td>
  <td>50</td>
  <td>-</td>
  <td>&check;</td>
  <td>-</td>
  <td>Theory</td>
</tr>
<tr>

```

```

        <td rowspan="6">2</td>
        <td rowspan="6">MCM</td>
        <td>Virtual Basics</td>
        <td>30</td>
        <td>70</td>
        <td>-</td>
        <td>&check;</td>
        <td>T and P</td>
    </tr>
    <tr>
        <td>Internet Technology</td>
        <td>30</td>
        <td>70</td>
        <td>-</td>
        <td>&check;</td>
        <td>T and P</td>
    </tr>
    <tr>
        <td>Network Technology</td>
        <td>30</td>
        <td>70</td>
        <td>-</td>
        <td>&check;</td>
        <td>Theory</td>
    </tr>
    <tr>
        <td>VB.Net</td>
        <td>30</td>
        <td>70</td>
        <td>-</td>
        <td>&check;</td>
        <td>T and P</td>
    </tr>
    <tr>
        <td>Linux</td>
        <td>30</td>
        <td>70</td>
        <td>-</td>
        <td>&check;</td>
        <td>T and P</td>
    </tr>

```

```

<tr>
  <td>ISA</td>
  <td>50</td>
  <td>70</td>
  <td>&check;</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	Virtual Basics	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	70	✓	-	Theory

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 4

Using table related tags align the images with hyperlinks.



Table With Mobile Connections



HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>ISP</title>
  <style>
    .pict{
      width: 150px;
      height: 100px;
    }
  </style>
</head>
<body>
  <table border="1px">
    <tr>
      <td><a href="https://bsnl.co.in/"></a></td>
```











```

        <td><a href="https://www.myvi.in/"></a></td>
        <td><a href="https://www.airtel.in/"></a></td>
        <td><a href="https://www.docomo.ne.jp/english/"></a></td>
    </tr>
    <tr>
        <td><a href="https://www.telenor.com/"></a></td>
        <td colspan="2"><center>Table with images</center></td>
        <td><a href="https://www.aircel.com/"></a></td>
    </tr>
    <tr>
        <td><a href="https://www.mtctelcom.com/"></a></td>
        <td><a href="https://hutch.lk/"></a></td>
        <td><a href="https://www.mtctelcom.com/"></a></td>
        <td><a href="https://www.tatacommunications.com/solutions/move/mobile-
virtual-network-enabler-services/"></a></td>
    </tr>
</table>
</body>
</html>

```

Output:



			
	Table with images		
			

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 5.

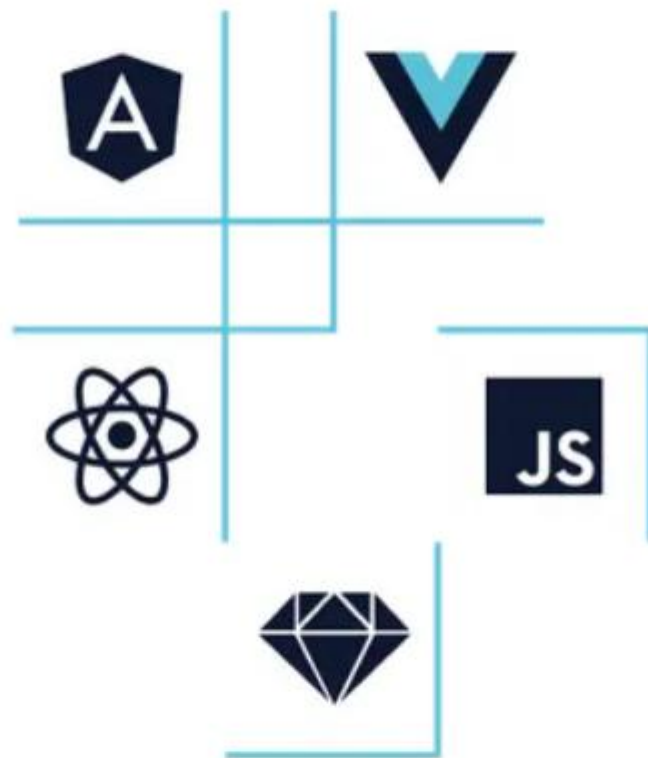
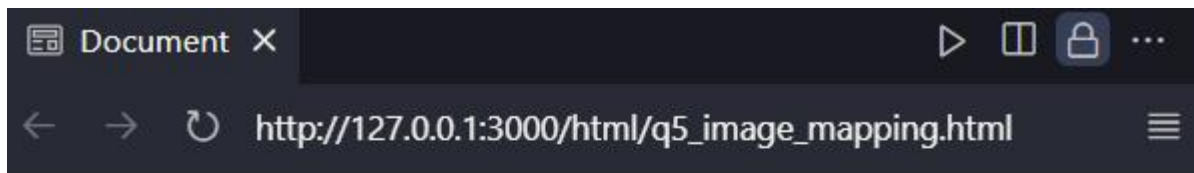
Create a web page with the following using HTML:

- 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.**

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  
  <map name="map1">
    <area shape="rectangle" coords="124px 100px 205px 182px"
href="https://angular.dev/" target="_blank" alt="">
    <area shape="rectangle" coords="250px 100px 333px 184px"
href="https://vite.dev/" target="_blank" alt="">
    <area shape="rectangle" coords="122px 228px 205px 313px"
href="https://react.dev/" target="_blank" alt="">
    <area shape="rectangle" coords="292px 230px 377px 314px"
href="https://www.javascript.com/" target="_blank" alt="">
    <area shape="rectangle" coords="207px 314px 289px 397px"
href="https://www.ruby-lang.org/en/" target="_blank" alt="">
  </map>
</body>
</html>
```

Output:



Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 6:

Create a web page having frames as follows:

Your Name Punch line etc.		
Objective Personal Information Family Information Educational Information Experience Achievements Other	Display information here of selected link	Display relevant images here
Your contact details		

HTML Code:

1. Main code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>IFrame</title>
</head>
<body>
  <table border="1">
    <tr>
      <th colspan="3">Priyanshu Negi</th>
    </tr>
    <tr>
      <td>
        <iframe src="links.html" ></iframe>
      </td>
      <td>
        <iframe src="" name="iframe2"></iframe>
      </td>
      <td>
        <iframe src="iframe3.html"></iframe>
      </td>
    </tr>
  </table>
```

```

<tr>
  <td colspan="3"><center>Contact Details: </center></td>
</tr>
</table>
</body>
</html>

```


2. Links code

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <a href="obj.html" target="iframe2">Objective</a><br>
  <a href="personal.html" target="iframe2">Personal Information</a><br>
  <a href="family.html" target="iframe2">Family Information</a><br>
  <a href="education.html" target="iframe2">Education Information</a><br>
  <a href="experience.html" target="iframe2">Experience</a><br>
  <a href="achievement.html" target="iframe2">Achievements</a><br>
  <a href="other.html" target="iframe2">Other</a>
</body>
</html>

```

Output:

Priyanshu Negi		
Objective Personal Information Family Information Education Information Experience Achievements Other		
Contact Details:		

Program 7:

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

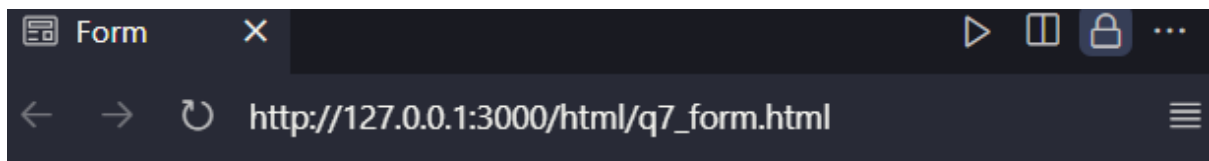
Favorite color:

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Form</title>
</head>
<body>
  <form action="">
    <fieldset>
      <legend>Basic Information</legend><br>
      <label for="name">Full Name: </label>
      <input type="text" name="" id="name"><br><br>
      <label for="dob">Birth Date: </label>
      <input type="text" name="" id="dob"><br><br>
      <label>Gender: </label>
      <input type="radio" name="" id="male">
```

```
<label for="male">Male</label>
<input type="radio" name="" id="female">
<label for="female">Female</label><br><br>
<label for="address">Address: </label>
<input type="text" name="" id="address"><br><br>
<label for="p_no">Phone Number: </label>
<input type="text" name="" id="p_no"><br><br>
</fieldset>
<fieldset>
  <legend>Extra Information</legend><br>
  <label for="">Interests: </label>
  <input type="checkbox" name="" id="books">
  <label for="books">Books</label>
  <input type="checkbox" name="" id="movies">
  <label for="movies">Movies</label>
  <input type="checkbox" name="" id="videogames">
  <label for="videogames">Videogames</label><br><br>
  <label for="color">Favorite color</label>
  <input type="color" name="" id="color"><br><br>
</fieldset>
<br>
<button type="submit">Send data</button>
<button type="reset">Reset form</button>
</form>
</body>
</html>
```


Output:



Basic Information

Full Name:

Birth Date:

Gender:

☐ Male ☐ Female

Address:

Phone Number:

Extra Information

Interests:

☐ Books ☐ Movies ☐ Videogames

Favorite color

Send data

Reset form

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 8:

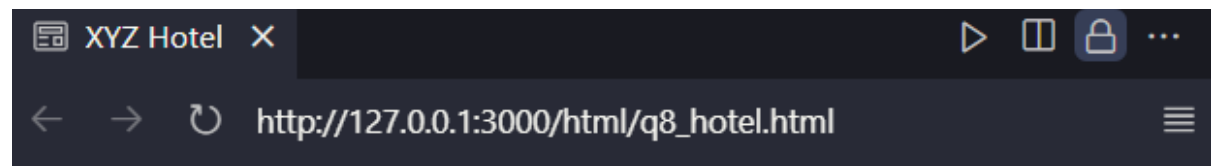
Create a web page of customer profile for data entry of customers in a Hotel, The profile should include Name, Address, Age, gender, Room Type (A/C, Non-A/C or Deluxe), Type of payment (Cash, Credit/Debit Card or Coupons).

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>XYZ Hotel</title>
</head>
<body>
  <h1>Customer Profile </h1>
  <form >
    <fieldset>
      <legend>Personal Information</legend><br>
      <label for="name">Name: </label>
      <input type="text" name="" id="name"><br><br>
      <label for="add">Address: </label>
      <input type="text" name="" id="add"><br><br>
      <label for="age">Age: </label>
      <input type="number" name="" id="age"><br><br>
      <label>Gender: </label>
      <input type="radio" name="" id="m">
      <label for="m">Male </label>
      <input type="radio" name="" id="f">
      <label for="f">Female </label><br><br>
    </fieldset>
    <br>
    <fieldset>
      <legend>Room details</legend><br>
      <label for="">Room Type: </label>
      <input type="radio" name="" id="ac">
      <label for="ac">A/C</label>
      <input type="radio" name="" id="nac">
      <label for="nac">Non-A/C</label>
      <input type="radio" name="" id="Deluxe">
      <label for="Deluxe">Deluxe</label><br><br>
    </fieldset>
  </form>
</body>
</html>
```

```
</fieldset><br>
<fieldset>
  <legend>Payment details</legend><br>
  <label for="">Type of Payment: </label>
  <input type="radio" name="" id="cash">
  <label for="cash">Cash</label>
  <input type="radio" name="" id="card">
  <label for="card">Credit/Debit card</label>
  <input type="radio" name="" id="coupon">
  <label for="coupon">Coupons</label><br><br>
</fieldset>
<br>
<button type="submit">Submit</button>
<button type="reset">reset </button>
</form>
</body>
</html>
```

Output:



Customer Profile

Personal Information

Name:

Address:

Age:

Gender: ☐ Male ☐ Female

Room details

Room Type: ☐ A/C ☐ Non-A/C ☐ Deluxe

Payment details

Type of Payment: ☐ Cash ☐ Credit/Debit card ☐ Coupons

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 9:

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>

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>HTML5 Tags Example</title>
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
    <nav>
      <ul>
        <li><a href="#home">Home</a></li>
        <li><a href="#about">About</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>

  <article>
    <h2>HTML5 Tags Demonstration</h2>
    <p>This is an example of an article section.</p>
  </article>

  <section>
    <h2>Video Example</h2>
    <video width="320" height="240" controls>
      <source src="video.mp4" type="video/mp4">
      Your browser does not support the video tag.
    </video>
  </section>

  <section>
    <h2>Audio Example</h2>
    <audio controls>
      <source src="audio.wav" type="audio/mpeg">
      Your browser does not support the audio element.
    </audio>
  </section>
```

```
<section>
  <h2>Embed Example</h2>
  <embed src="webd.pdf" width="500" height="375" type="application/pdf">
</section>

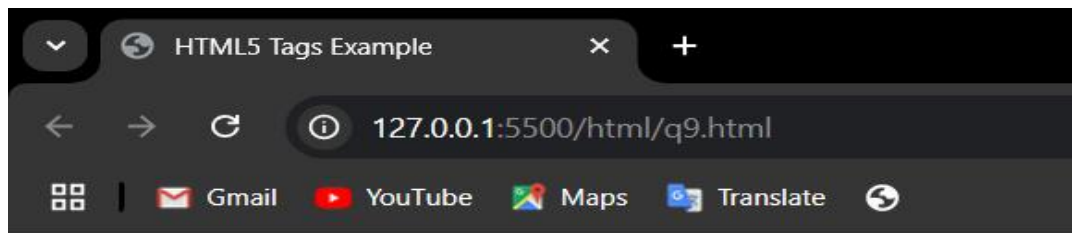
<section>
  <h2>Datalist Example</h2>
  <label for="browser">Choose your browser:</label>
  <input list="browsers" id="browser" name="browser">
  <datalist id="browsers">
    <option value="Chrome">
    <option value="Firefox">
    <option value="Safari">
    <option value="Edge">
    <option value="Opera">
  </datalist>
</section>

<section>
  <h2>Bdi Example</h2>
  <p>Usernames: <bdi>JohnDoe123</bdi>, <bdi>محمد</bdi>, <bdi>Иван</bdi></p>
</section>

<section>
  <h2>Output Example</h2>
  <form oninput="result.value=parseInt(a.value)+parseInt(b.value)">
    <input type="range" id="a" value="50"> +
    <input type="number" id="b" value="50">
    = <output name="result" for="a b">100</output>
  </form>
</section>

<footer>
  <p>&copy; 2025 My Website</p>
</footer>
<pre>Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1</pre>
</body>
</html>
```

Output:



Welcome to My Website

- [Home](#)
- [About](#)
- [Contact](#)

HTML5 Tags Demonstration

This is an example of an article section.

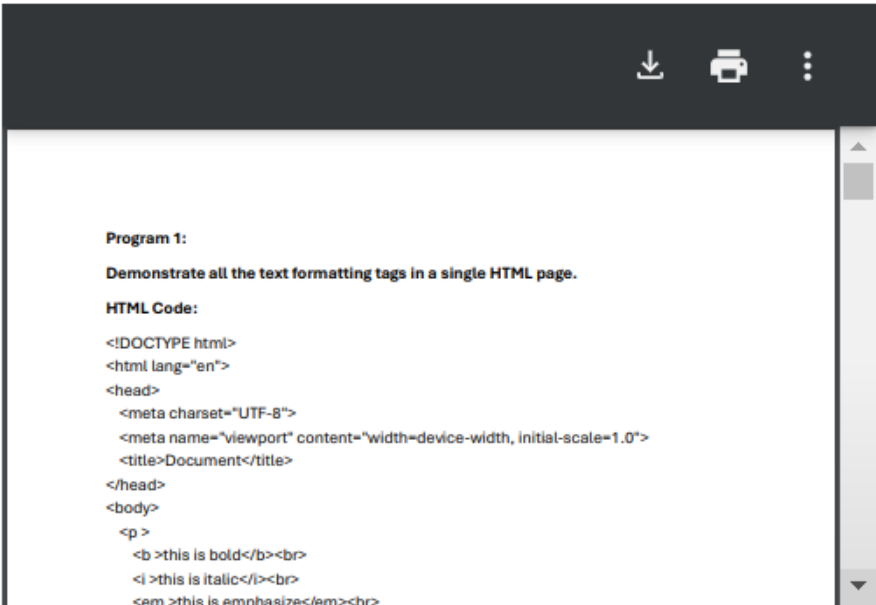
Video Example



Audio Example



Embed Example



Datalist Example

Choose your browser:

Bdi Example

Username: JohnDoe123, محمد, Иван

Output Example

+ = 100

© 2025 My Website

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 10:

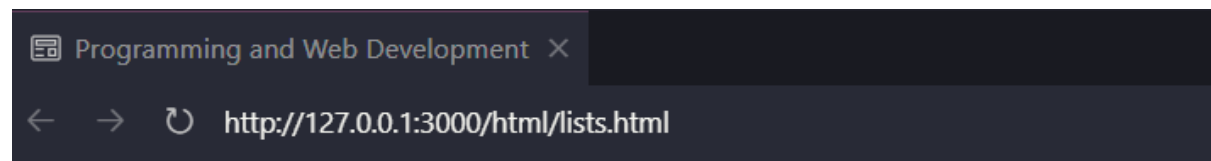
Design an HTML page to create the following list.

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Programming and Web Development</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }
    ul {
      list-style-type: disc;
    }
    ul ul {
      list-style-type: square;
    }
    ul ul ul {
      list-style-type: circle;
    }
  </style>
</head>
<body>
  <h2>1. <strong>Programming Languages</strong></h2>
  <ul>
    <li><strong>Python</strong>
      <ul>
        <li>Frameworks
          <ol>
            <li>Django</li>
            <li>Flask</li>
          </ol>
        </li>
        <li>Libraries
          <ul>
            <li>NumPy</li>
            <li>Pandas</li>
            <li>Matplotlib</li>
          </ul>
        </li>
      </ul>
    </li>
    <li><strong>Java</strong>
      <ul>
```

```
<li>Core Concepts
  <ul>
    <li>OOP</li>
    <li>Multithreading</li>
    <li>Exception Handling</li>
  </ul>
</li>
<li>Frameworks
  <ol>
    <li>Spring</li>
    <li>Hibernate</li>
  </ol>
</li>
</ul>
</li>
</ul>
<h2>2. <strong>Web Development</strong></h2>
<ul>
  <li><strong>Frontend</strong>
    <ul>
      <li>HTML</li>
      <li>CSS</li>
      <li>JavaScript
        <ul>
          <li>React</li>
          <li>Vue.js</li>
          <li>Angular</li>
        </ul>
      </li>
    </ul>
  </li>
  <li><strong>Backend</strong>
    <ul>
      <li>Node.js</li>
      <li>PHP</li>
      <li>Ruby on Rails</li>
    </ul>
  </li>
</ul>
</body>
</html>
```

Output:



1. Programming Languages

- **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

- **Frontend**
 - HTML
 - CSS
 - JavaScript
 - React
 - Vue.js
 - Angular
- **Backend**
 - Node.js
 - PHP
 - Ruby on Rails

Name: Priyanshu Negi Std.Id: 22011884 Sem: 6th Sec: C1

Program 11:

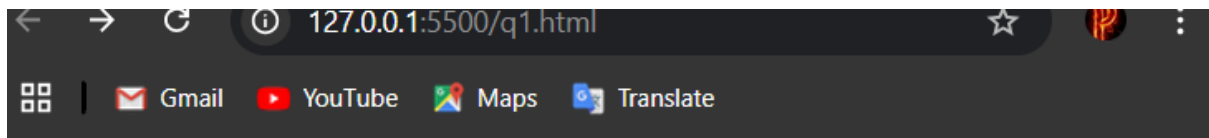
Create a web page to show all hyperlinks with the following specifications:

- Default color is pink.
- Active color is blue.
- Visited color is green.
- Hyperlink should be without underline.

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    body{
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
    }
    a{
      text-decoration: none;
      color: pink;
    }
    a:visited{
      color: green;
    }
    a:active{
      color: blue;
    }
  </style>
</head>
<body>
  <h1>Styled Hyeprlinks example: </h1>
  <p>click on the following links</p><br>
  <a href="https://www.google.com">Google</a><br>
  <a href="https://www.facebook.com">Facebook</a><br>
  <a href="https://www.instagram.com">Instagram</a><br>
  <pre>Name: Priyanshu Negi Student Id:22011884 Sem: 6th Sec: C1</pre>
</body>
</html>
```

Output:



Styled Hyeprlinks example:

click on the following links

[Google](#)

[Facebook](#)

[Instagram](#)

Name: Priyanshu Negi Student Id:22011884 Sem: 6th Sec: C1

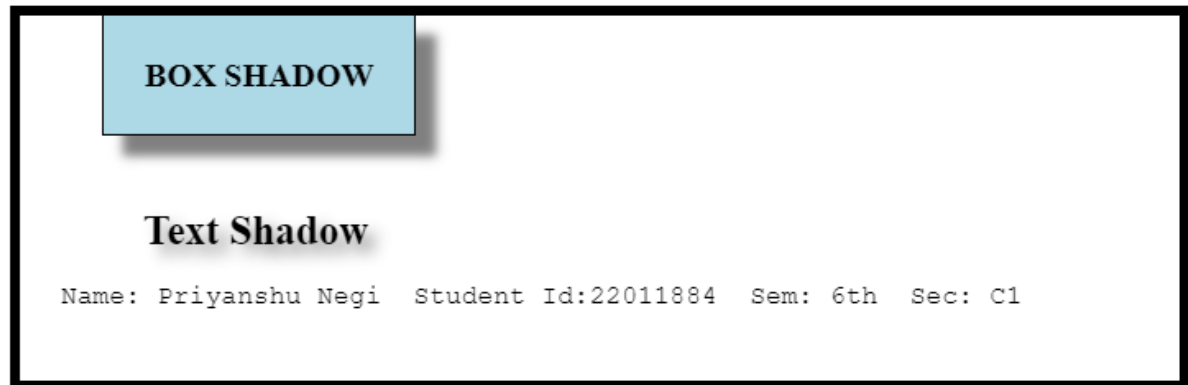
Program 12:

Create Box Shadow and Text Shadow using CSS3.

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    body{
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
    }
    #box{
      background-color: lightblue;
      margin: 20px;
      padding: 20px;
      box-shadow: 10px 10px 5px grey;
    }
    #text{
      font-size: 20px;
      margin: 20px;
      padding: 20px;
      text-shadow: 5px 5px 8px grey;
    }
  </style>
</head>
<body>
  <b id="box" style="border: 1px solid black;">BOX SHADOW</b><br><br><br><br>
  <b id="text">Text Shadow</b>
  <pre>Name: Priyanshu Negi Student Id:22011884 Sem: 6th Sec: C1</pre>
</body>
</html>
```

Output:



Program 13:

Create Rounded Corners using CSS3.

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Round corners</title>
  <style>
    body{
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
    }
    #box1{
      background-color: lightblue;
      border-radius: 20px;
      width:200px;
      height: 200px;
      border: 1px solid black;
      padding: 20px;
      margin: 10px;
    }
    #box2{
      background-color: yellow;
      border-radius: 100px;
      width:100px;
      height: 100px;
      border: 1px solid rgb(0, 0, 0);
      padding: 100px;
      margin: 10px;
    }
  </style>
</head>
<body>
  <div id="box1">
    This is rounded corners box 1
  </div>
  <div id="box2">
    This is rounded corners box 2
  </div>
  <pre>Name: Priyanshu Negi Student Id:22011884 Sem: 6th Sec: C1</pre>
</body>
</html>
```


Output:

