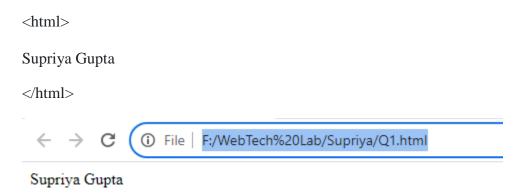
# WEB TECHNOLOGY LAB 1(HTML)

1. Display your name as plane text WEB Browser.



2. Display your name in WEB Browser declared inside the body.

```
<!DOCTYPE html>
<html>
<body>
Supriya Gupta
</body>
</html>

### Comparison of Compari
```

3. Write a complete source code to demonstrate the use of html, head, title, body tag

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.3 HTML code</title>
</head>
<body>
```

<h1>Welcome to My HTML Page! I am Supriya Gupta.</h1>
</body>
</html>



# Welcome to My HTML Page! I am Supriya Gupta.

4. Write a source code to demonstrate whitespace collapsing.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Q.4 Whitespace Collapsing</title>
</head>
<body>
  <div>
    Multiple spaces are
                                collapsed.
     Leading and trailing spaces are preserved. 
     Line breaks
      are also preserved.
    </div>
</body>
</html>
                         F:/WebTech%20Lab/Supriya/Q4.html
```

Leading and trailing spaces are preserved.

Line breaks are also preserved.

Multiple spaces are collapsed.

5. Create two paragraphs. Paragraph 1 containing the heading as Management Colleges in Nepal and Paragraph 2 containing the heading as Engineering Colleges in Nepal. Heading of Paragraph 2 must be smaller than the heading of Paragraph 2. Also show the use of b, i, sup, sub, small, strong, abbr, acronym, blockquote with cite attribute, city, q tag inside the two paragraphs.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Q.5 Paragraphs</title>
</head>
<body>
  >
<h1>Management Colleges in Nepal</h1>
    <strong>Explore the best management colleges in Nepal offering diverse programs.</strong>
    <i>Quality education</i> is our priority.
    1<sup>st</sup>
    <small>Find your path to success.</small>
    <abbr title="Bachelor of Business Studies">BBS</abbr>
    and
    <abbr title="Master of Business Studies">MBS</abbr>
    programs available.
    <blockquote cite="https://www.education.com">
       "Education <sub>2</sub> is the most powerful weapon which you can use to change the world." -
Nelson Mandela
    </blockquote>
    < q>
```

```
Wisdom begins in wonder.
    </q>
>
    <h2>Engineering Colleges in Nepal</h2>
    <strong>Discover top engineering colleges in Nepal with state-of-the-art facilities.</strong>
    <i>Unlock your potential</i> with our engineering programs.
    2<sup>nd</sup>
    <small>Shape the future through innovation.</small>
    <abbr title="Bachelor of Engineering">BE</abbr>
    and
    <abbr title="Master of Engineering">ME</abbr>
    courses offered.
    <blockquote cite="https://www.experience.com">
       "The only source of knowledge is experience." - Albert Einstein
    </blockquote>
    < q>
       Science can amuse and fascinate us all, but it is engineering that changes the world.
    </q>
  </body>
</html>
```



### **Management Colleges in Nepal**

Explore the best management colleges in Nepal offering diverse programs. Quality education is our priority. 1st Find your path to success. BBS and MBS programs available.

"Education 2 is the most powerful weapon which you can use to change the world." - Nelson Mandela

#### **Engineering Colleges in Nepal**

Discover top engineering colleges in Nepal with state-of-the-art facilities. Unlock your potential with our engineering programs. 2<sup>nd</sup> Shape the future through innovation. BE and ME courses offered.

"The only source of knowledge is experience." - Albert Einstein

### 6. Write the HTML code to display the following output:

```
Hi,
       My
       Name
       Is
       John
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.6 Pre text</title>
 </head>
 <body>
  <
    Hi,
    My
    Name
    Is
```

<sup>&</sup>quot;Wisdom begins in wonder."

<sup>&</sup>quot;Science can amuse and fascinate us all, but it is engineering that changes the world."

```
John

</body>
</html>

C Tile | F:/WebTech%20Lab/Supriya/Q6.html

Hi,
My
Name
Is
John
```

#### 7. Write the HTML code to demonstrate:

```
a. code
   b. kbd
   c. var
   d. samp
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.7 Ordered list</title>
 </head>
 <body>

    type="a">

   code
   kdb
   var
```

### 8. Write a HTML code to demonstrate the concept of:

- Unordered list
- o ordered list
- o Nested unordered list
- Nested ordered list
- Definition list

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.8 List</title>
</head>
<body>
<h2>Unordered List:</h2>

Item 1
```

```
Item 2
<h2>Ordered List:</h2>
First item
Second item
<h2>Nested Unordered List:</h2>
ul>
<
 Vegetables
 <ul>
 Potato 
 Brocolli
 <
 Fruits
 ul>
 Grapes 
 Orange
```

```
<h2>Nested Ordered List:</h2>
<
 School
 Class 1
  Class 2
 College
<
 University
 Bachelor
  Masters
 <h2>Definition List:</h2>
<dl>
< dt > HTML < / dt >
<dd>HyperText Markup Language</dd>
```

```
<dt>CSS</dt>
<dd>Cascading Style Sheets</dd>
</dl>
</body>
</html>

### Comparison of The Image of The Image
```

#### **Unordered List:**

- Item 1
- Item 2

#### Ordered List:

- 1. First item
- 2. Second item

#### Nested Unordered List:

- Vegetables
  - o Potato
  - o Brocolli
- Fruits
  - o Grapes
  - o Orange

#### **Nested Ordered List:**

- 1. School
  - 1. Class 1
  - 2. Class 2
- 2. College
- 3. University
  - 1. Bachelor
  - 2. Masters

#### **Definition List:**

HTML

HyperText Markup Language CSS

### 9. Write the HTML code to demonstrate image as list .

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.9 Image List</title>
 </head>
 <body>
  <h2>Image List (Unordered):</h2>
  <ul>
   <img src="images/cloud-arrow-down-svgrepo-com.png" alt="Image 1" width="30" />
   <img src="images/droplets-svgrepo-com.png" alt="Image 2" width="30" />
  <h2>Image List (Ordered):</h2>
  <ol>
   <img src="images/cloud-arrow-down-sygrepo-com.png" alt="Image 1" width="30" />
   <img src="images/droplets-svgrepo-com.png" alt="Image 2" width="30" />
  </body>
</html>
```



## Image List (Unordered):

- . P
- .⁰

## Image List (Ordered):

- 1. **(**)
- 2. **°**0

10.Write the HTML code to demonstrate the use of URL along with Absolute URL, Relative URL.

```
<a href="8_list.html">Go to a Relative Page</a>

<h2>Relative URL within Subdirectory:</h2>

<a href="subdirectory/another-page.html">Go to Another Page in Subdirectory</a>

</body>
</html>

Tille | F:/WebTech%20Lab/Supriya/Q10.html
```

## Absolute URL Example:

Visit Example.com

## Relative URL Example:

Go to a Relative Page

## Relative URL within Subdirectory:

Go to Another Page in Subdirectory

11. How can you create link in HTML? Show a proper section of code.

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"/>
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>
<title>Q.11 HTML Link</title>
```

### Create a Link in HTML:

Visit the example website.

12. Write the HTML code to generate the following output with the use of anchor tag:

#### **Home About Gallery**

The home is in parent directory , about is in sub directory of home and Gallery is in root directory. Write the code for each and every tabs

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.12 Navigation Tabs</title>
</head>
<style>
```

Home About Gallery

# 13. Create a web page that demonstrate the use of destination anchor using name and id attributes.

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.13 Destination Anchors</title>
```

```
</head>
<body>
 <h1>Destination Anchors Example</h1>
 <nav>
 \langle ul \rangle
  <a href="#section1">Section 1</a>
  <a href="#section2">Section 2</a>
  <a href="#section3">Section 3</a>
 </nav>
 <section id="section1">
 <h2>Section 1</h2>
 This is the content of Section 1.
  <a name="section1"></a>
 </section>
 <section id="section2">
 <h2>Section 2</h2>
 This is the content of Section 2.
 <a name="section2"></a>
 </section>
 <section id="section3">
 <h2>Section 3</h2>
```

```
This is the content of Section 3.
<a name="section3"></a>
<!-- Destination anchor for older browsers -->
</section>
</body>
</html>
```

# **Destination Anchors Example**

- Section 1
- Section 2
- Section 3

## Section 1

This is the content of Section 1.

### Section 2

This is the content of Section 2.

## Section 3

This is the content of Section 3.

14.Add image using img tag.

<!DOCTYPE html>

<html>

<head>

## Image Example



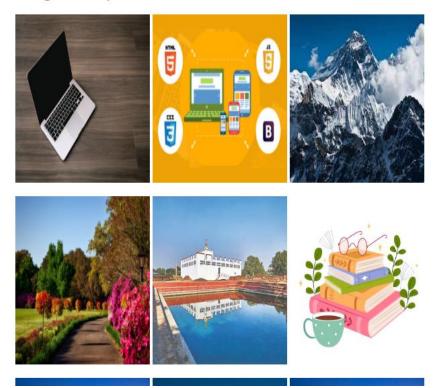
# 12. Create an image gallery of 9 images with 3 images in a row each having 200 width and height 250.

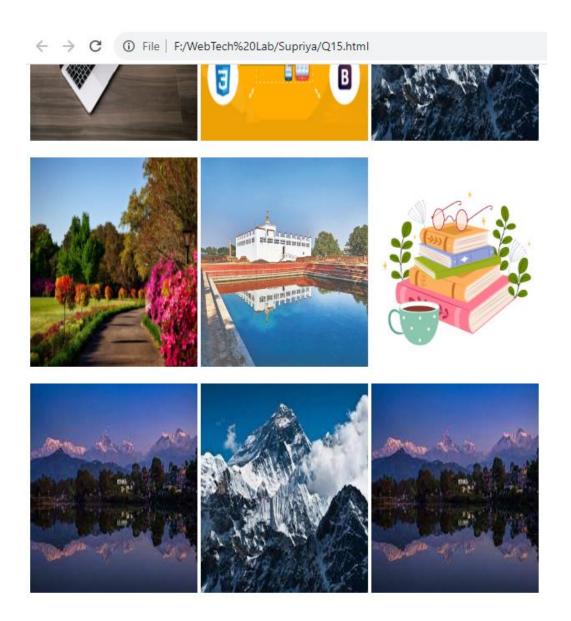
```
<!DOCTYPE html>
<html>
<head>
<title>Q.15 Image Gallery</title>
</head>
<body>
<h2>Image Gallery</h2>

<img src="images/laptop.jpg" alt="Image 1" width="200" height="250" />
<img src="images/website.jpg" alt="Image 2" width="200" height="250" />
<img src="images/everest.jpg" alt="Image 3" width="200" height="250" />
```

 $\leftarrow$   $\rightarrow$   ${\bf C}$   $\odot$  File | F:/WebTech%20Lab/Supriya/Q15.html

### **Image Gallery**





## 16. Write a HTML code to map image as Client side and ServerSide.

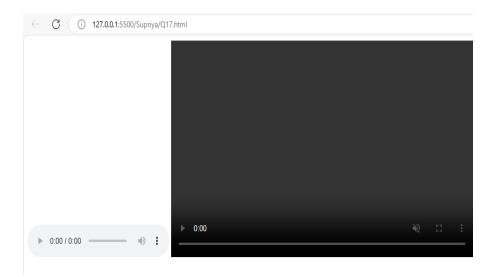
```
<h2>Click on the image to see client-side and server-side actions</h2>
  <img src="images/website.jpg" alt="Workplace" usemap="#workmap" />
  <map name="workmap">
   <area
    shape="rect"
    coords="34,44,270,350"
    alt="Computer"
    href="computer.htm"
   <area
    shape="rect"
    coords="290,172,333,250"
    alt="Phone"
    href="phone.htm"
   />
   <area shape="circle" coords="337,300,44" alt="Coffee" href="coffee.htm" />
  </map>
 </body>
</html>
     → C  i File | F:/WebTech%20Lab/Supriya/Q16.html
```

## Click on the image to see client-side and server-side actions



# 17. Write a HTML code to demonstrate how audio, video can be added to the web pages along with all the attributes

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.17 Audio and Video</title>
 </head>
 <body>
  <!-- Audio Example -->
  <audio controls preload="auto" loop>
   <source src="audio-example.mp3" type="audio/mp3" />
   Your browser does not support the audio element.
  </audio>
  <!-- Video Example -->
  <video width="640" height="360" controls autoplay muted>
   <source src="video-example.mp4" type="video/mp4" />
   Your browser does not support the video element.
  </video>
 </body>
</html>
```



### 18. Write the HTML code to print the following output: •

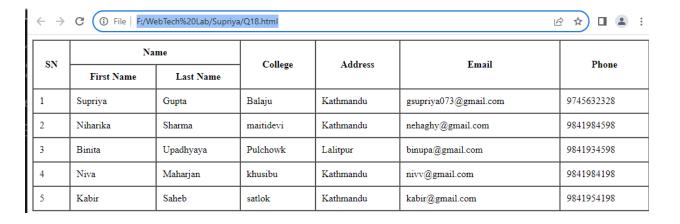
Name
SN College Address Email Phone
First Name Last Name

#### Fill atleast 5 details

```
College
Address
Email
Phone
>
First Name
Last Name
1
Supriya
Gupta
Balaju
Kathmandu
gsupriya@gmail.com
9841984198
2
Niharika
Sharma
Maitidevi
Kathmandu
nehaghy@gmail.com
9841984598
>
3
```

Binita

```
Upadhyaya
  Pulchowk
  Lalitpur
  binupa@gmail.com
  9841984198
 >
   4 
  Niva
  Maharjan
  khusibu
  Kathmandu
  nivv@gmail.com
  9841984198
 >
  5
  Kabir
  Saheb
  satlok
  Kathmandu
  kabir@gmail.com
  9841954198
 </body>
</html>
```



# 19. Write XHTML code to demonstrate the use of Nested table with rowspan and colspan attribute .

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"</p>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<a href="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
 <title>Q.19 XHTML</title>
</head>
<body>
 <h2>Nested Table Example</h2>
 Row 1, Cell 1<br />Spanning 2 Rows
   Row 1, Cell 2 and 3<br/>br />Spanning 2 Columns
```

```
Row 2, Cell 2

(1) File | F:/WebTech%20Lab/Supriya/Q19.html
```

## **Nested Table Example**

Row 1, Cell 1 Spanning 2 Rows	Row 1, Cell 2 and 3 Spanning 2 Columns	
	Row 2, Cell 2	Row 2, Cell 3
Row 3, Cell 1, 2, and 3 Spanning 3 Columns		

### 20. Create a simple html page to demonstrate the basic structural tags of HTML.

```
<!DOCTYPE html>
<html>
<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
<title>Q.20 Basic HTML Structure</title>
</head>
<body>
<header>
 <h1>Welcome to My Website</h1>
 This is a simple demonstration of basic HTML structural tags.
</header>
<nav>
 <ul>
  <a href="#">Home</a>
  <a href="#">About Us</a>
  <a href="#">Contact Us</a>
 </nav>
<section>
 <h2>Section 1</h2>
 This is the content of Section 1.
</section>
<section>
 <h2>Section 2</h2>
 This is the content of Section 2.
</section>
<footer>
```

```
© 2024 My Website
</footer>
</body>
</html>
© Tile | F:/WebTech%20Lab/Supriya/Q20.html
```

## Welcome to My Website

This is a simple demonstration of basic HTML structural tags.

- Home
- About Us
- Contact Us

#### Section 1

This is the content of Section 1.

#### Section 2

This is the content of Section 2.

© 2024 My Website

#### 21. Prepare an html page to display the syntax and usage of any 10 text formatting tags.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.21 Text Formatting Tags Syntax and text formatting</title>
</head>
<body>
<h1>Text Formatting Tags Examples</h1>
```

```
<section>
 <h2>1. &lt;strong&gt; - Strong Text</h2>
 >
 The <strong>strong</strong> tag is used for important text, often
  displayed as bold.
 </section>
<section>
<h2>2. &lt;em&gt; - Emphasized Text</h2>
 >
 The <em>emphasized</em> tag is used for text that should be emphasized,
  typically displayed as italicized.
 </section>
<section>
 <h2>3. &lt;u&gt; - Underlined Text</h2>
 >
 The <u>underlined</u> tag is used for underlining text. It can also be
  used for hyperlinks.
 </section>
<section>
 <h2>4. &lt;s&gt; - Strikethrough Text</h2>
 >
```

```
The <s>strikethrough</s> tag is used for indicating deleted or no longer
  relevant text.
 </section>
<section>
 <h2>5. &lt;sub&gt; - Subscript Text</h2>
 >
  The <sub>subscript</sub> tag is used for positioning text below the
  baseline.
 </section>
<section>
 <h2>6. &lt;sup&gt; - Superscript Text</h2>
 >
  The <sup>superscript</sup> tag is used for positioning text above the
  baseline.
 </section>
<section>
<h2>7. &lt;mark&gt; - Highlighted Text</h2>
 >
  The <mark>highlighted</mark> tag is used for indicating text that has
  been highlighted or marked for reference.
```

```
</section>
  <section>
   <h2>8. &lt;abbr&gt; - Abbreviation</h2>
   >
    The <abbr title="HTML">HTML</abbr> tag is used for abbreviations or
    acronyms, providing a title attribute with the full form.
   </section>
  <section>
   <h2>9. &lt;del&gt; - Deleted Text</h2>
   >
    The <del>deleted</del> tag is used for indicating deleted or removed
    text.
   </section>
  <section>
   <h2>10. &lt;ins&gt; - Inserted Text</h2>
   >
    The <ins>inserted</ins> tag is used for indicating inserted or added
    text.
   </section>
 </body>
</html>
```

#### **Text Formatting Tags Examples**

#### 1. <strong> - Strong Text

The strong tag is used for important text, often displayed as bold.

#### 2. <em> - Emphasized Text

The emphasized tag is used for text that should be emphasized, typically displayed as italicized.

#### 3. <u> - Underlined Text

The underlined tag is used for underlining text. It can also be used for hyperlinks.

#### 4. <s> - Strikethrough Text

The strikethrough tag is used for indicating deleted or no longer relevant text.

#### 5. <sub> - Subscript Text

The subscript tag is used for positioning text below the baseline.

#### 6. <sup> - Superscript Text

The superscript tag is used for positioning text above the baseline.

#### 7. <mark> - Highlighted Text

The highlighted tag is used for indicating text that has been highlighted or marked for reference.



#### 3. <u> - Underlined Text

The <u>underlined</u> tag is used for underlining text. It can also be used for hyperlinks.

#### 4. <s> - Strikethrough Text

The strikethrough tag is used for indicating deleted or no longer relevant text.

#### 5. <sub> - Subscript Text

The subscript tag is used for positioning text below the baseline.

#### 6. <sup> - Superscript Text

The superscript tag is used for positioning text above the baseline.

#### 7. <mark> - Highlighted Text

The highlighted tag is used for indicating text that has been highlighted or marked for reference.

#### 8. <abbr> - Abbreviation

The <u>HTML</u> tag is used for abbreviations or acronyms, providing a title attribute with the full form.

#### 9. <del> - Deleted Text

The deleted tag is used for indicating deleted or removed text.

#### 10. <ins> - Inserted Text

The inserted tag is used for indicating inserted or added text.

```
22. Create an html page to display your bio data using  tag. (Do not use table).
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.22 My Bio Data</title>
 </head>
 <body>
  <h1>My Bio Data</h1>
  Name: Supriya Gupta
Age: 21
Location: Kathmandu, Nepal
Education:
- Bachelor of Science in Computer Science and Information Technology
Prime College
(2021 - Present)
Skills:
- Programming Languages: JavaScript, Python, Java, C, C++, PHP, SQL
- Web Development: HTML, CSS, React, Node.js, Spring Boot
- Database: MongoDB, MySQL
- Other: Git, Agile Methodology
Work Experience:
- Software Developer
XYZ Tech Solutions
(2018 - Present)
```

1. E-commerce Website

**Projects:** 

- Developed a responsive e-commerce website using React and Node.js.

#### 2. Task Management App

- Created a task management application with features for tracking and organizing tasks.

#### Achievements:

- Received Best Employee Award at XYZ Tech Solutions (2020).

#### Contact:

Email: gsupriya073@gmail.com

Phone: +977 9812866418

</pre

</body>

</html>



(i) File F:/WebTech%20Lab/Supriya/Q22.html

## My Bio Data

```
Name: Supriya Gupta
Age: 21
Location: Kathmandu, Nepal
Education:
- Bachelor of Science in Computer Science and Information Technology
  Prime College
  (2021 - Present)
Skills:
- Programming Languages: JavaScript, Python, Java, C, C++, PHP, SQL
- Web Development: HTML, CSS, React, Node.js, Spring Boot
- Database: MongoDB, MySQL
- Other: Git, Agile Methodology
Work Experience:
- Software Developer
 XYZ Tech Solutions
  (2018 - Present)
Projects:
1. E-commerce Website
   - Developed a responsive e-commerce website using React and Node.js.
2. Task Management App
   - Created a task management application with features for tracking and organizing tasks.
Achievements:
- Received Best Employee Award at XYZ Tech Solutions (2020).
Email: gsupriya073@gmail.com
Phone: +977 9812866418
```

# 23. Create an html page to write brief description about your college using header tags, paragraph tag and text formatting tags.

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.23 College Description</title>
 </head>
 <body>
  <h1>Welcome to <em>Prime College</em></h1>
  >
   <strong>Prime College</strong> is a premier institution dedicated to
   providing a transformative education experience. Our commitment to
   excellence, innovation, and inclusivity sets us apart as a hub for
   academic and personal growth.
  <h2>About <em>Prime College</em></h2>
  >
   Established in <strong>19XX</strong>, <em>Prime College</em> has been a
   cornerstone of education in our community. Our state-of-the-art campus,
   experienced faculty, and diverse student body create a dynamic learning
   environment.
  <h2>Academic Programs</h2>
  >
   At <em>Prime College</em>, we offer a wide range of academic programs to
   suit the interests and aspirations of our students. Whether it's in the
   sciences, humanities, or business, our programs are designed to foster
   critical thinking and practical skills.
```

```
<h2>Facilities and Resources</h2>
 >
  Our college boasts <em>modern facilities</em>, including well-equipped
  classrooms, laboratories, libraries, and recreational spaces. We are
  committed to providing students with the resources they need to excel
  academically and personally.
 <h2>Extracurricular Activities</h2>
 >
  Beyond academics, <em>Prime College</em> encourages students to engage in
  various <strong>extracurricular activities</strong>. From sports to
  cultural events, clubs, and community service, we believe in nurturing
  well-rounded individuals who contribute meaningfully to society.
 <h2>Join Us on the Journey</h2>
 >
  If you are seeking an enriching educational experience that goes beyond
  textbooks, <em>Prime College</em> is the place for you. Join us on the
  journey of knowledge, growth, and lifelong friendships.
 </body>
```

</html>



### Welcome to Prime College

Prime College is a premier institution dedicated to providing a transformative education experience. Our commitment to excellence, innovation, and inclusivity sets us apart as a hub for academic and personal

### About Prime College

Established in 19XX, Prime College has been a cornerstone of education in our community. Our state-of-the-art campus, experienced faculty, and diverse student body create a dynamic learning environment

#### Academic Programs

At Prime College, we offer a wide range of academic programs to suit the interests and aspirations of our students. Whether it's in the sciences, humanities, or business, our programs are designed to foster

#### **Facilities and Resources**

Our college boasts modern facilities, including well-equipped classrooms, laboratories, libraries, and recreational spaces. We are committed to providing students with the resources they need to excel academically and personally.

#### Extracurricular Activities

Beyond academics, Prime College encourages students to engage in various extracurricular activities. From sports to cultural events, clubs, and community service, we believe in nurturing well-rounded individuals who contribute meaningfully to society

#### Join Us on the Journey

If you are seeking an enriching educational experience that goes beyond textbooks, Prime College is the place for you. Join us on the journey of knowledge, growth, and lifelong friendships

## 24. Create an image gallery of any three popular places in Nepal along with their short description with the images aligned in left or right.

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.24 Nepal Places Gallery</title>
 </head>
 <body>
  <h1>Popular Places in Nepal</h1>
  <div>
   <img src="images/everest.jpg" alt="Mount Everest" />
   <h3>Mount Everest</h3>
   >
    The highest peak in the world, Mount Everest is a majestic Himalayan
```

giant attracting adventurers and mountaineers from around the globe.

```
</div>
  <div>
   <img src="images/pokhara.jpg" alt="Phewa Lake, Pokhara" />
   <h3>Phewa Lake, Pokhara</h3>
   >
    Surrounded by the Annapurna range, Phewa Lake is a serene freshwater
    lake in Pokhara, offering stunning views and boat rides.
   </div>
  <div>
   <img src="images/boudhanath.jpg" alt="Boudhanath Stupa" />
   <h3>Boudhanath Stupa</h3>
   >
    A UNESCO World Heritage Site, Boudhanath Stupa is one of the largest
    stupas in the world and a significant pilgrimage site for Buddhists.
   </div>
 </body>
</html>
```

## **Popular Places in Nepal**



#### Pashupatinath Temple

Pashupatinath Temple, place of worship in the Kathmandu Valley on the Baghmati River, on the eastern outskirts of the city of Kathmandu, that is the holiest site in Nepal.



#### Phewa Lake, Pokhara

Surrounded by the Annapurna range, Phewa Lake is a serene freshwater lake in Pokhara, offering stunning views and boat rides.



# 25. Demonstrate the use of align, vspace and hspace attribute using minimum of six images. (Make a gallery)



### P ☆ □ ♣ :

### **Image Gallery**













26. Create a webpage to containing brief description about your college and links to your college and university website.

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

```
<title>Q.26 Prime College</title>
</head>
<body>
<h1>Welcome to Prime College</h1>
```

Prime College is an educational institution striving to deliver practical-based education, empowering young minds and cultivating a culture of excellence among skilled individuals. We offer diverse academic programs at both undergraduate and graduate levels. Our dedicated faculty members bring their extensive expertise to the classroom, fostering a dynamic learning environment.

```
>
  Explore more about Prime College:
 \langle ul \rangle
  <
   <a href="https://www.prime.edu.np" target="_blank"
    >Prime College Website</a>
  <
   <a href="https://tu.edu.np/" target="_blank"
    >Tribhuvan University Website</a>
  </body>
```





## Welcome to Prime College

Prime College is an educational institution striving to deliver practical-based education, empowering young minds and cultivating a culture of excellence among skilled individuals. We offer diverse academic programs at both undergraduate and graduate levels. Our dedicated faculty members bring their extensive expertise to the classroom, fostering a dynamic learning environment.

Explore more about Prime College:

- Prime College Website
- Tribhuvan University Website

### 27. Demonstrate the use of top to bottom and bottom to top link using anchor tags.

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Qn.27 Anchor tags</title>
 </head>
 <body>
  <div class="content">
   <a href="#bottom">Go to bottom</a>
   <h1 id="top">This is some long content that scrolls down.</h1>
   Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nulla facilisi
    morbi tempus iaculis urna id volutpat. Aenean euismod bibendum laoreet.
    Maecenas aliquam, justo quis rhoncus ultricies, ligula metus facilisis
```

nunc, sed mattis libero tortor. Donec non libero ut ante porta molestie.

Duis a mi quam. Fusce sem purus, aliquam quis blandit eu, tincidunt et velit. Pellentesque habitant morbi tristique sem, et ullamcorper nibh diam varius condimentum. Nunc sed diam lectus. Morbi a magna at nibh venenatis laoreet. Curabitur semper nunc velit, eget varius tellus aliquet sed. Fusce et diam euismod sem dapibus auctor. Nunc velit risus, eleifend eget tincidunt vitae, suscipit eget massa. Pellentesque habitant morbi tristique sem, et ullamcorper nibh diam varius condimentum. Nunc sed diam lectus. Morbi a magna at nibh venenatis laoreet.

<h2 id="bottom">This is some long content that scrolls up.</h2>

Lorem ipsum dolor sit amet consectetur adipisicing elit. Facilis porro ipsa expedita, tempore minima debitis officiis quod deserunt eum explicabo voluptatibus consectetur dicta, exercitationem nobis quis.

Corrupti saepe est mollitia eveniet a quod, facere dolorum aut provident, sit quia iusto, vero iste veniam non nam! Vero animi iusto voluptates eius autem commodi esse mollitia reiciendis ipsa eaque dolores cupiditate voluptatem consequuntur perferendis, maxime voluptatum soluta. Perferendis aut atque aliquam ipsum harum quibusdam natus vel est unde, quis ducimus expedita sunt fugiat quos minima.

Doloribus quidem voluptatem cum iste quo, aut veniam itaque fugit velit

accusamus adipisci illum ipsa dicta. Magnam.

<a href="#top">Go to top</a>
</div>
</body>
</html>

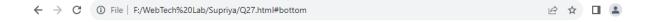
← → C ① File | F:/WebTech%20Lab/Supriya/Q27.html

A post of top for the p

Go to bottom

## This is some long content that scrolls down.

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nulla facilisi morbi tempus iaculis urna id volutpat. Aenean euismod bibendum laoreet. Maecena aliquam, justo quis rhoncus ultricies, ligula metus facilisis nunc, sed mattis libero tortor. Donec non libero ut ante porta molestie. Duis a mi quam. Fusce sem purus, aliquam quis blandit eu, tincidunt et velit. Pellentesque habitant morbi tristique sem, et ullamcorper nibh diam varius condimentum. Nunc sed diam lectus. Morbi a magna at nibh venenatis laoreet. Curabitur semper nunc velit, eget varius tellus aliquet sed. Fusce et diam euismod sem dapibus auctor. Nunc velit risus, eleifend eget tincidunt vitae, suscipit eget massa. Pellentesque habitant morbi tristique sem, et ullamcorper nibh diam varius condimentum. Nunc sed diam lectus. Morbi a magna at nibh venenatis laoreet.



#### This is some long content that scrolls up.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Facilis porro ipsa expedita, tempore minima debitis officiis quod deserunt eum explicabo voluptatibus consectetur dicta, exercitationem nobis quis. Corrupti saepe est mollitia eveniet a quod, facere dolorum aut provident, sit quia iusto, vero iste veniam non nam! Vero animi iusto voluptates eius autem commodi esse mollitia reiciendis ipsa eaque dolores cupiditate voluptatem consequuntur perferendis, maxime voluptatum soluta. Perferendis aut atque aliquam ipsum harum quibusdam natus vel est unde, quis ducimus expedita sunt fugiat quos minima. Doloribus quidem voluptatem cum iste quo, aut veniam itaque fugit velit accusamus adipisci illum ipsa dicta. Magnam.

Go to top

## 28. Create the following list using html.

```
1. BSCIT
       2. MSCIT
       a. Semester 1
          Subject 1
          Subject 2
          Subject 3
       b. Semester 2
       c. Semester 3
      3. BScNT
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.28 List</title>
 </head>
 <body>
  <ol>
   BSCIT
   MSCIT

 type="a">

     <
      Semester 1
      \langle ul \rangle
       Subject 1
       Subject 2
       Subject 3
```

```
Semester 2
   Semester 3
   BScNT
 </body>
</html>
          1. BSCIT
  2. MSCIT
      a. Semester 1

    Subject 1

    Subject 2

    Subject 3

      b. Semester 2
      c. Semester 3
  3. BScNT
```

# 29. Create the following list using html.

```
A. Movies
i. Nepali
ii. Hindi
iii. English
B. Music
C. Travel
D. Reading
E. Social Networking
F. Chatting

<!DOCTYPE html>
<html>
<head>
```

```
<meta charset="UTF-8"/>
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>Q.29 List</title>
       </head>
       <body>

  type="A">

         <
         Movies

    type="i">

          Nepali
          Hindi
          English
          Reading
         Music
         Travel
         Social Networking
         Chatting
        </body>
      </html>
                     i File F:/WebTech%20Lab/Supriya/Q29.html
         A. Movies
               i. Nepali
               ii. Hindi
              iii. English
         B. Reading
         C. Music
         D. Travel
         E. Social Networking
          F. Chatting
30. Design the following single table using HTML.
              C
      В
                   D
                   F
```

G

Α

Ε

H J K

L M

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Qn.30 Table</title>
</head>
<body>
  A 
  B
  C
   D 
 E
   F
```

```
 G 
 H
 J
  K 
 L
 M
 </body>
</html>
      i File F:/WebTech%20Lab/Supriya/Q30.html
       В
                C
Α
                       D
E
                       F
                       G
             J
Η
                       K
                M
L
```

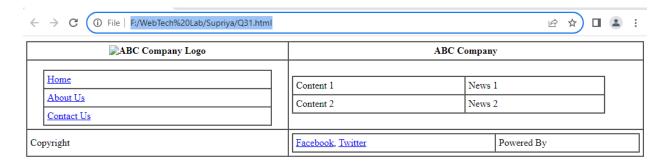
31. Design the following table using nested tables in HTML. • <u>Code</u>

Logo (image) ABC Company:

```
Home(link)
About Us(link)
Contact Us(link)
Content 1 News 1 Content 2 News 2
Copyright Facebook, Twitter(link) Powered By
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Qn.31 Nested Tables</title>
</head>
<body>
>
  <img src="../class_codes/pic2.png" alt="ABC Company Logo" />
  ABC Company
```

```
style="margin-top: 10px;"
 <a href="#">Home</a>
 <a href="#">About Us</a>
 <a href="#">Contact Us</a>
 Content 1
 News 1
 Content 2
 News 2
```

```
Copyright
>
  <a href="#">Facebook</a>, <a href="#">Twitter</a>
  >
  Powered By
  </body>
</html>
```



# 32. Design an html form to demonstrate the 10 different types of generated using INPUT tag.

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Qn.32 10 Different types of controls generated by Input tag</title>
</head>
<body>
  <h2>HTML Form with Different Input Types</h2>
  <form action="#" method="POST">
    <!-- Text Input -->
    <label for="text-input">Text Input:</label>
    <input type="text" id="text-input" name="text-input" placeholder="Enter text"><br><br><br/>br><br/>
    <!-- Password Input -->
    <label for="password-input">Password Input:</label>
    <input type="password" id="password-input" name="password-input" placeholder="Enter</pre>
password"><br><br>
```

```
<!-- Radio Buttons -->
    <label>Radio Buttons:</label><br>
    <input type="radio" id="radio1" name="radio-group" value="option1">
    <label for="radio1">Option 1</label>
    <input type="radio" id="radio2" name="radio-group" value="option2">
    <label for="radio2">Option 2</label><br><br><br></ri>
    <!-- Checkboxes -->
    <label>Checkboxes:</label><br>
    <input type="checkbox" id="checkbox1" name="checkbox1" value="checkbox1">
    <label for="checkbox1">Checkbox 1</label>
    <input type="checkbox" id="checkbox2" name="checkbox2" value="checkbox2">
    <label for="checkbox2">Checkbox 2</label><br><br>
    <!-- Number Input -->
    <label for="number-input">Number Input:</label>
    <input type="number" id="number-input" name="number-input" min="1"</pre>
max="10"><br><br>>
    <!-- Date Input -->
    <label for="date-input">Date Input:</label>
    <input type="date" id="date-input" name="date-input"><br><br>
    <!-- Color Input -->
```

```
<label for="color-input">Color Input:</label>
     <input type="color" id="color-input" name="color-input"><br><br>
    <!-- File Input -->
    <label for="file-input">File Input:</label>
     <input type="file" id="file-input" name="file-input"><br><br>
    <!-- Range Input -->
    <label for="range-input">Range Input:</label>
     <input type="range" id="range-input" name="range-input" min="0" max="100"><br><br><br><br/><br/>br><br/><br/>
    <!-- Email Input -->
    <label for="email-input">Email Input:</label>
     <input type="email" id="email-input" name="email-input" placeholder="Enter
email"><br><br>>
    <!-- Submit Button -->
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

# **HTML Form with Different Input Types**

Password Input: Enter password

Radio Buttons:
Option 1 Option 2

Checkboxes:
Checkbox 1 Checkbox 2

Number Input:
Date Input: mm/dd/yyyy

Color Input: Month of the Chosen

Range Input: Choose File No file chosen

Range Input: Enter email

33. Design an html form to submit a job application form. Demonstrate use of drop-down list, text areas and file upload control.

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"/>
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>

```
<title>Qn.33 Submit a job application form</title>
 </head>
 <body>
  <h1>Job Application Form</h1>
  <form action="#" method="post" enctype="multipart/form-data">
   >
    <label for="name">Full Name:</label>
    <input type="text" id="name" name="name" placeholder="Enter your full name" required/>
   >
    <label for="email">Email Address:</label>
    <input type="email" id="email" name="email" placeholder="Enter your valid email
address" required/>
   >
    <label for="phone">Phone Number:</label>
    <input type="tel" id="phone" name="phone" placeholder="Enter your phone number"/>
   <label for="position">Job Position:</label>
    <select name="position" id="position" required>
     <option value="">-- Please select a position --</option>
     <option value="developer">Software Developer
     <option value="designer">Graphic Designer
     <option value="writer">Content Writer</option>
```

```
<option value="other">Other</option>
    </select>
   >
    <label for="experience">Years of Experience:</label>
    <input type="number" id="experience" name="experience" min="0" placeholder="Enter
your years of experience"/>
   >
    <label for="skills">Skills and Technologies:</label>
    <textarea name="skills" id="skills" rows="5" placeholder="List your relevant skills and
technologies"></textarea>
   >
    <label for="resume">Upload Resume (PDF or DOCX):</label>
    <input type="file" id="resume" name="resume" accept="application/pdf,.docx" required/>
   >
    <label for="cover letter">Cover Letter (Optional):</label>
    <textarea name="cover letter" id="cover letter" rows="5" placeholder="Write a brief cover
letter (optional)"></textarea>
   <button type="submit">Submit Application</button>
  </form>
 </body>
</html>
```

# **Job Application Form**

Full Name: Enter your full name

Email Address: Enter your valid email addres

Phone Number: Enter your phone number

Job Position: -- Please select a position -- 
Years of Experience: Enter your years of experi

List your relevant skills and technologies

Skills and Technologies:

Upload Resume (PDF or DOCX): Choose File No file chosen

Write a brief cover letter (optional)

Cover Letter (Optional):

# LAB 2(CSS)

1. Illustrate the use of background properties in CSS (for image).

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"/>
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>
```

```
<title>Q.1 Background Image</title>
  <style>
   body {
    background-image: url('images/pokhara.jpg');
    background-size: cover;
    background-repeat: no-repeat;
    background-position: center center;}
  </style>
 </head>
 <body></body>
</html>
   → C (i) File | F:/WebTech%20Lab/Supriya/css1.html
```

## 2. Construct a web page with four paragraph and style using CSS.

```
<meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.2 Styled Paragraphs</title>
  <style>
   p {
    color: #2fa52b;
    font-size: 16px;
    line-height: 1.5;
    margin-bottom: 20px;
    font-weight: 900;
   }
  </style>
 </head>
 <body>
  This is paragraph 1.
  This is paragraph 2.
  This is paragraph 3.
  This is paragraph 4.
</body>
</html>
```

This is paragraph 1.
This is paragraph 2.
This is paragraph 3.
This is paragraph 4.

### 3. Design a web page with six images and style them using external CSS.

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.3 Image Gallery</title>
  <link rel="stylesheet" href="styles.css" />
 </head>
 <body>
  <div class="image-container">
   <img src="images/boudhanath.jpg" alt="Image 1" />
   <img src="images/everest.jpg" alt="Image 2" />
   <img src="images/pokhara.jpg" alt="Image 3" />
   <img src="images/cloud.png" alt="Image 4" />
   <img src="images/droplets.png" alt="Image 5" />
   <img src="images/website.jpg" alt="Image 6" />
  </div>
```

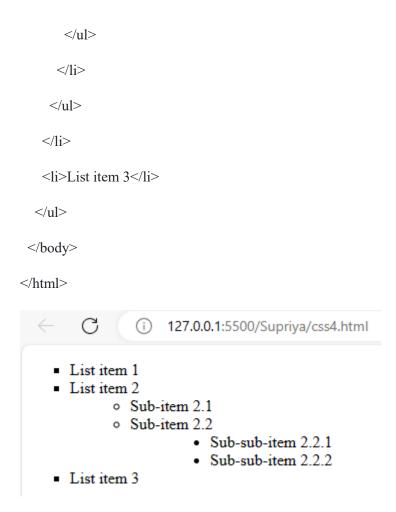
```
</body>
</html>
.image-container {
    display: flex;
    justify-content: space-between;
    align-items: center;
}
.image-container img {
    width: 150px;
    height: 100px;
    border: 2px solid #555;
    margin: 5px;
}
```



## 4. Make a nested list using internal CSS.

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.4 Nested List</title>
<style>
```

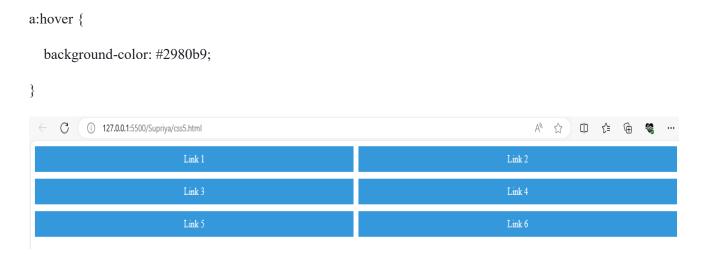
```
ul {
          list-style-type: square;
          ul ul {
           list-style-type: circle;
          margin-left: 20px;}
ul ul ul {
           list-style-type: disc;
          margin-left: 40px;
          }
         </style>
        </head>
       <body>
         <u1>
          List item 1
          <1i>
           List item 2
           Sub-item 2.1
            <1i>
             Sub-item 2.2
             <ul>
              Sub-sub-item 2.2.1
              Sub-sub-item 2.2.2
```



# 5. Make a web page having 3 rows and 2 columns with all the hyperlinks and style it using external CSS.

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.5 Links Page</title>
link rel="stylesheet" href="styles2.css" />
</head>
<body>
```

```
<div class="link-grid">
   <a href="#">Link 1</a>
   <a href="#">Link 2</a>
   <a href="#">Link 3</a>
   <a href="#">Link 4</a>
   <a href="#">Link 5</a>
   <a href="#">Link 6</a>
  </div>
 </body>
</html>
.link-grid {
  display: grid;
  grid-template-columns: repeat(2, 1fr);
  grid-template-rows: repeat(3, auto);
  gap: 10px;
a {
  display: block;
  padding: 10px;
  background-color: #3498db;
  color: #fff;
  text-decoration: none;
  text-align: center;
```



# 6. Design an html form to demonstrate the 10 different types of controls generated using INPUT tag. Style the form as:

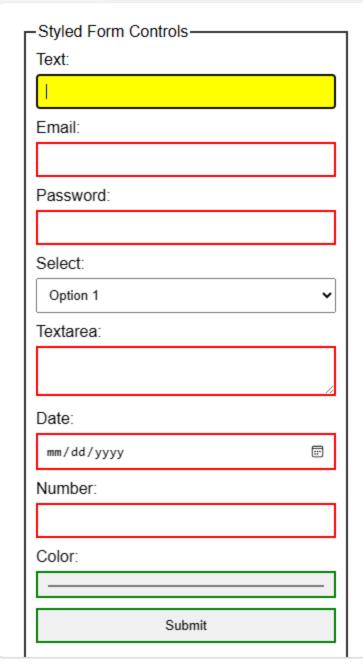
- o Set the background color of textbox yellow when it is focused.
- Change the text color blue to textbox.
- o Increase the height of combo options when it is checked.
- o Set the border color red if the input is invalid in textbox textarea.
- Set green border to valid input.
- Design the form using fieldset.

```
fieldset {
 border: 2px solid #333;
 padding: 10px;
 margin: 20px;
 width: 300px;
}
label {
 display: block;
 margin-bottom: 5px;
}
input[type='text']:focus,
textarea:focus {
 background-color: yellow;
 color: blue;
select:checked {
 height: 150px;
input:invalid,
textarea:invalid {
 border: 2px solid red;
input:valid,
textarea:valid {
```

```
border: 2px solid green;
  input,
  textarea,
  select {
   margin-bottom: 10px;
   width: 100%;
   padding: 8px;
   box-sizing: border-box;
  input[type='checkbox'] {
   width: auto;
   margin-right: 5px;
 </style>
</head>
<body>
 <form>
  <fieldset>
   <legend>Styled Form Controls</legend>
   <label for="text">Text:</label>
   <input type="text" id="text" required />
   <label for="email">Email:</label>
   <input type="email" id="email" required />
```

```
<label for="password">Password:</label>
    <input type="password" id="password" required />
    <label for="checkbox">Checkbox:</label>
    <input type="checkbox" id="checkbox" />
    <label for="select">Select:</label>
    <select id="select" required>
     <option value="option1">Option 1</option>
     <option value="option2">Option 2</option>
     <option value="option3">Option 3</option>
    </select>
    <label for="textarea">Textarea:</label>
    <textarea id="textarea" rows="4" required></textarea>
    <label for="date">Date:
    <input type="date" id="date" required />
    <label for="number">Number:</label>
    <input type="number" id="number" required />
    <label for="color">Color:</label>
    <input type="color" id="color" required />
    <input type="submit" value="Submit" />
   </fieldset>
  </form>
</body>
</html>
```





### 7. Design the given table and style as:

#### Class A Class B

#### Class C Class D

- Set the border of any style and color.
- o Set width of all Classes 600 pixel and height 550 pixel.
- Set different background color for all classes.
- **o** Every text color should be different.
- o Display Class C and Class D in uppercase and remaining in lower case.

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.7 Styled Table</title>
  <style>
   table {
    border: 2px solid #333;
    width: 600px;
    height: 550px;
    border-collapse: collapse;
   }
   th,
   td {
    border: 2px solid #333;
    padding: 10px;
```

```
text-align: center;
  .classA {
   background-color: #ffcc00;
   color: #990000;
  }
  .classB {
   background-color: #66ccff;
   color: #003366;
  }
  .classC {
   background-color: #99ff99;
   color: #006600;
   text-transform: uppercase;
  }
  .classD {
   background-color: #ff9999;
   color: #cc0000;
   text-transform: uppercase;
</style>
</head>
<body>
```

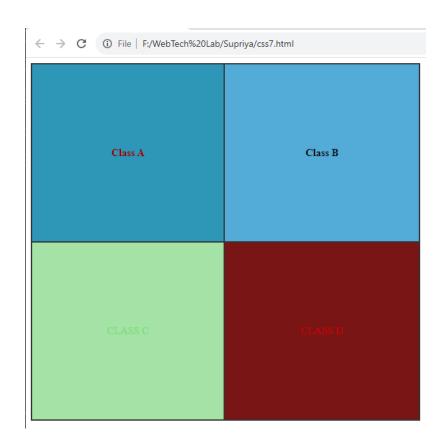
```
Class A

Class B

Class C

Class D

</body>
</html>
```



### 8. Design a horizontal menu of any five options and style as:

- o Set border for all links.
- o Set different background color and text color.
- o Change the font color and increase the font size when mouse over it.
- o Remove the underline from link.
- Change all the default behaviour of links.

```
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.8 Horizontal Menu</title>
  <style>
   ul {
    list-style: none;
    padding: 0;
    margin: 0;
    display: flex;
   }
   li {
    margin-right: 15px;
   a {
    text-decoration: none;
    border: 2px solid #333;
    padding: 10px;
```

```
color: #333;
  background-color: #eee;
  font-size: 16px;
 }
 a:hover {
  background-color: #ccc;
  color: #fff;
  font-size: 18px;
 }
 a:active,
 a:focus {
  outline: none;
</style>
</head>
<body>
<ul>
 <a href="option1.html">Option 1</a>
 <a href="option2.html">Option 2</a>
 a href="option3.html">Option 3</a>
 <a href="option4.html">Option 4</a>
 <a href="option5.html">Option 5</a>
</body>
```

</html>



9. Develop a web page with a paragraph and add some contents before the paragraph with red color and yellow background using CSS.

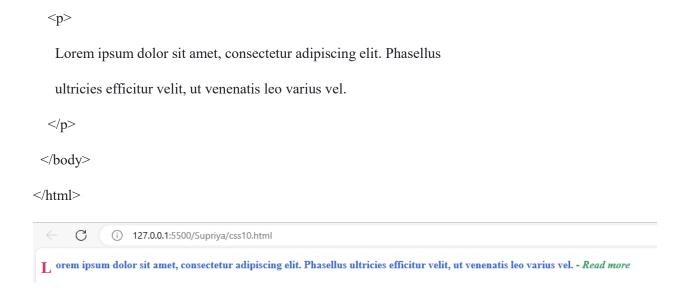
```
<!DOCTYPE html>
<html>
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Q.9 Styled Paragraph with Contents</title>
 <style>
  body {
   background-color: #fff8dc;
  }
  .highlight {
   background-color: yellow;
   color: red;
   padding: 10px;
  p {
   font-size: 16px;
   line-height: 1.5;
```

```
margin: 20px 0;
 </style>
</head>
<body>
 <div class="highlight">
  Content before the paragraph.
 </div>
 This is the main paragraph content.
</body>
</html>
                  (i) 127.0.0.1:5500/Supriya/css9.html
   Content before the paragraph.
 This is the main paragraph content.
10. Illustrate the concept of pseudo elements with example. (::after, ::first-letter, ::selection, ::first-
line)
<!DOCTYPE html>
<html>
 <head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.10 Pseudo Elements</title>
```

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Abhimanu\_Yadav@WEB\_Technologies\_5

```
<style>
  p::first-line {
   color: #3366cc;
   font-weight: bold;
  }
  p::first-letter {
   font-size: 24px;
   color: #cc3366;
   float: left;
   margin-right: 6px;
  }
  p::after {
   content: ' - Read more';
   color: #339966;
   font-style: italic;
  }
  ::selection {
   background-color: #ffff99;
   color: #333;
 </style>
</head>
<body>
```

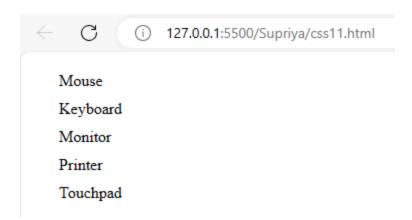


### 11. Design following list using html and CSS:

- Mouse
- Keyboard
- Monitor
- Printer
- Touchpad

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.11 List Design</title>
<style>
ul {
list-style: none;
```

```
padding: 0;
   margin: 20px 0;
   }
  li {
    background: url('images/tick.png') no-repeat left center;
   padding-left: 30px;
   margin-bottom: 10px;
    font-size: 16px;
    background-size: 20px 20px;
  }
  </style>
 </head>
 <body>
  ul>
  Mouse
  Keyboard
  Monitor
  Printer
  Touchpad
  </body>
</html>
```

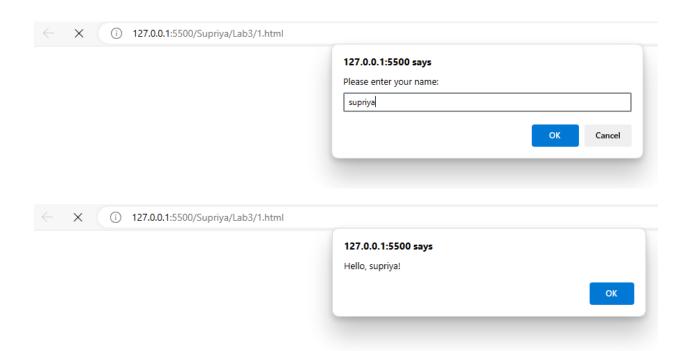


# LAB 3(JavaScript and XML)

1. Illustrate with examples the concept of alert, confirm and popup boxes .

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Q1. Popup Box Examples</title>
</head>
<body>
<script>
alert("This is an alert message!");
var result = confirm("Do you want to proceed?");
if (result) {
    alert("You clicked OK!");
} else {
    alert("You clicked Cancel!");
```

```
var userInput = prompt("Please enter your name:", "John Doe");
  if (userInput !== null) {
     alert("Hello, " + userInput + "!");
  } else {
     alert("You clicked Cancel or did not enter anything.");
   }
</script>
</body>
</html>
              i 127.0.0.1:5500/Supriya/Lab3/1.html
                                                          127.0.0.1:5500 says
                                                         This is an alert message!
              i) 127.0.0.1:5500/Supriya/Lab3/1.html
                                                         127.0.0.1:5500 says
                                                         You clicked OK!
```



# 2. WAP in javascript to demonstrate the objects, its properties and constructors with examples

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.2 Objects</title>
</head>
<body>
<script>

var person = {

name: 'John Doe',
age: 25,
```

```
gender: 'Male',
   };
   function Car(make, model, year) {
     this.make = make;
     this.model = model;
     this.year = year;
   console.log('Person Object: ');
   console.log('Name: ' + person.name);
   console.log('Age: ' + person.age);
   console.log('Gender' + person.gender);
   var myCar = new Car('Toyota', 'Camry', 2022);
   console.log(myCar);
  </script>
 </body>
</html>
      (i) 127.0.0.1:5500/Supriya/Lab3/2.html
                                                                □ □ □ · · · · □ Console
                                                                Person Object:
                                                                  Name: Johny Lever
                                                                  Age: 25
                                                                  GenderMale
```

▶ Car

Live reload enabled.

Default levels ▼ 🤌 1

2.html:22

2.html:23

2.html:24

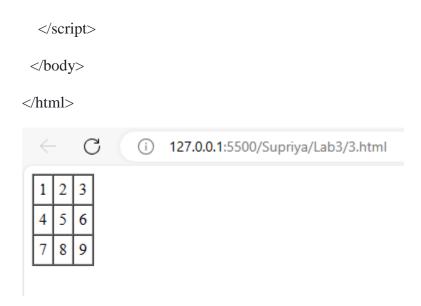
2.html:25

2.html:28

2.html:58

3. How array can be created in javascript? Create 2-D array and display the array in HTML table .

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Q.3 Array</title>
 </head>
 <body>
  <script>
   var twoDArray = [
    [1, 2, 3],
    [4, 5, 6],
    [7, 8, 9],
   ];
   document.write("");
   for (var i = 0; i < twoDArray.length; i++) {
    document.write('');
    for (var j = 0; j < twoDArray[i].length; j++) {
     document.write('' + twoDArray[i][j] + '');}
    document.write('');}
   document.write('');
```



### 4. Explain all the following built in objects with examples of each:

- o Array Methods
- o Date Methods
- String Methods
- Math Methods

```
colors.pop(); // Remove element from the end
   colors.unshift('orange'); // Add element to the beginning
   colors.shift(); // Remove element from the beginning
   document.write('<h1>Array Methods</h1>');
   document.write('colors = ' + colors + '');
   var currentDate = new Date();
   document.write('<h1>Date Methods</h1>');
   document.write('currentDate = ' + currentDate + '</br>');
   document.write('currentDate.getFullYear() = ' + currentDate.getFullYear() + '</br>');
   document.write('currentDate.getMonth() = ' + currentDate.getMonth() + '</br>');
   document.write('currentDate.getDate() = ' + currentDate.getDate() + '');
   var message = 'Hello, World!';
   document.write('<h1>String Methods</h1>');
   document.write('message = ' + message + '</br>');
   document.write('message.length = ' + message.length + '</br>');
   document.write('message.toUpperCase() = ' + message.toUpperCase() + '</br>');
   document.write('message.indexOf("World") = ' + message.indexOf('World') + '');
   document.write('<h1>Math Methods</h1>');
   document.write('Math.random() = ' + Math.random() + '</br>');
   document.write('Math.round(4.7) = ' + Math.round(4.7) + '<'br>');
   document.write('Math.pow(2, 3) = ' + Math.pow(2, 3) + '');
  </script>
 </body>
</html>
```

## **Array Methods**

colors = red,green,blue

## **Date Methods**

```
currentDate = Thu Jan 18 2024 11:22:16 GMT+0545 (Nepal Time) currentDate.getFullYear() = 2024 currentDate.getMonth() = 0 currentDate.getDate() = 18
```

## **String Methods**

```
message = Hello, World!
message.length = 13
message.toUpperCase() = HELLO, WORLD!
message.indexOf("World") = 7
```

## Math Methods

```
Math.random() = 0.8530562213698689
Math.round(4.7) = 5
Math.pow(2, 3) = 8
```

- 5. WAP that contains a text field for name, age, phone number, email, dropdown for colleges, radio for gender and a checkboxes for i accept all the terms. Perform the client side validations as:
  - All fields are required
  - Name must contains alphabets and white spaces and of length greater than 6 characters long
  - Age must be integer and must be between and 50
  - Phone number must be exactly 10 digits long and must start with 98 or 97
  - Email must be valid

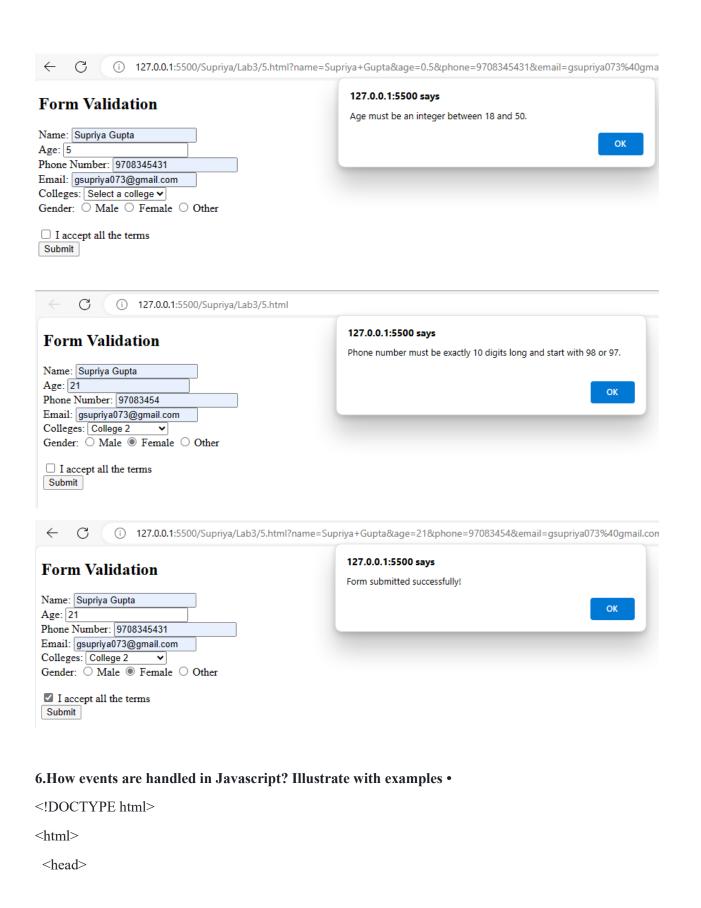
```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
 <meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Q.5 Form Validation</title>
 <style>
  .error {
   color: red;
  }
 </style>
</head>
<body>
 <h2>Form Validation</h2>
 <form id="myForm" onsubmit="validateForm()">
  <label for="name">Name:</label>
  <input type="text" id="name" name="name" />
  <span id="nameError" class="error"></span><br/>br />
  <label for="age">Age:</label>
  <input type="text" id="age" name="age" />
  <span id="ageError" class="error"></span><br/>>
  <label for="phone">Phone Number:</label>
  <input type="text" id="phone" name="phone" />
  <span id="phoneError" class="error"></span><br />
  <label for="email">Email:</label>
```

```
<input type="text" id="email" name="email" />
 <span id="emailError" class="error"></span><br />
 <label for="colleges">Colleges:</label>
 <select id="colleges" name="colleges">
  <option value="" disabled selected>Select a college
  <option value="college1">College 1</option>
  <option value="college2">College 2</option> </select><br />
 <label>Gender:</label>
 <input type="radio" id="male" name="gender" value="male" /> Male
 <input type="radio" id="female" name="gender" value="female" /> Female
 <input type="radio" id="other" name="gender" value="other" /> Other<br/>
 <span id="genderError" class="error"></span><br/>br />
 <label>
  <input type="checkbox" id="terms" name="terms" /> I accept all the terms
 </label>
 <span id="termsError" class="error"></span><br/>br />
 <input type="submit" value="Submit" />
</form>
<script>
 function validateForm() {
  var name = document.getElementById('name').value;
  var age = document.getElementById('age').value;
  var phone = document.getElementById('phone').value;
  var email = document.getElementById('email').value;
```

```
var colleges = document.getElementById('colleges').value;
var gender = document.querySelector('input[name="gender"]:checked');
var terms = document.getElementById('terms').checked;
if (name.length < 7 \parallel !/^[a-zA-Z\s]+\$/.test(name)) {
 document.getElementById('nameError').innerHTML =
  alert ('Name must be at least 7 characters long and contain only alphabets and spaces.');
 return false;
}
if (!/^d+\$/.test(age) \parallel age < 18 \parallel age > 50) {
 document.getElementById('ageError').innerHTML =
  'Age must be an integer between 18 and 50.';
 return false;
if (!/^[9][78]\d{8}$/.test(phone)) {
 document.getElementById('phoneError').innerHTML =
  'Phone number must be exactly 10 digits long and start with 98 or 97.';
 return false;
if (!/^\S+@\S+\.\S+\.\test(email)) {
 document.getElementById('emailError').innerHTML =
  'Invalid email address.';
 return false;
if (colleges === ") {
```

```
alert('Please select a college.');
              return false;
            if (!gender) {
             document.getElementById('genderError').innerHTML = \\
               'Please select a gender.';
              return false;
            if (!terms) {
              document.getElementById('termsError').innerHTML =
               'Please accept the terms.';
              return false;
            alert('Form submitted successfully!');
            return true;
          </script>
        </body>
       </html>
                                                         127.0.0.1:5500 says
Form Validation
                                                         Name must be at least 7 characters long and contain only alphabets
                                                         and spaces.
Name: supi
Age: 22
                                                                                                          ОК
Phone Number: 9808654321
Email: gsupriya073@gmail.com
Colleges: College 2
Gender: O Male O Female O Other
☐ I accept all the terms
Submit
```





### 7. WAP to show the concept of Try/Catch.

```
document.write('This line will not be executed due to the error.');
} catch (error) {
document.write('An error occurred: '+ error + '');
if (error instanceof ReferenceError) {
document.write('ReferenceError occurred. Handle it accordingly.');
}
} finally {
document.write('This line will be executed no matter what.');
}
</script>
</body>
</html>

127.0.0.1:5500/Supriya/Lab3/7.html
```

An error occurred: ReferenceError: y is not defined

ReferenceError occurred. Handle it accordingly.

This line will be executed no matter what.

# 8. Write jQuery to show the concept of on click, on mouse out, onkeyup, on form submit events .

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Q.8 jQuery Event Handling</title>
<!-- Include jQuery -->
<script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
</head>
<body>
```

```
<button id="myButton">Click me!</button>
Mouse over me!
<input type="text" id="myInput" placeholder="Type something" />
<form id="myForm">
 <input type="submit" value="Submit Form" />
</form>
<img
 id="myImage"
 src="https://via.placeholder.com/200"
 alt="Sample Image"
/>
<script>
 // On Click Event
 $('#myButton').on('click', function () {
  alert('Button clicked!');
 });
 // On Mouse out Event
 $('#myParagraph').on('mouseout', function () {
  $(this).css('background-color', 'red');
 });
 // On Key Up Event
 $('#myInput').on('keyup', function () {
  var inputValue = $(this).val();
```

```
alert('Input value:', inputValue);
   });
   // On Form Submit Event
   $('#myForm').on('submit', function (event) {
    event.preventDefault();
    alert('Form submitted!');
   });
  </script>
 </body>
</html>
                 (i) 127.0.0.1:5500/Supriya/Lab3/8.html
  Click me!
  Mouse over me!
  Type something
  Submit Form
```

 $9. \ Illustrate \ how \ jQuery \ effects (hide/show, \ fade, \ stop \ can \ be \ done \ in \ any \ image) \ .$ 

<!DOCTYPE html>
<html>
<head>

```
<meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Q.9 jQuery Effects</title>
 <!-- Include jQuery -->
 <script src="https://code.jquery.com/jquery-3.6.4.min.js"></script>
 <style>
  #myImage {
   width: 200px;
   height: 200px;
   border: 1px solid #ccc;
   margin-bottom: 10px;
  }
 </style>
</head>
<body>
 <button id="showHideButton">Toggle Image</button>
 <button id="fadeInOutButton">Fade In/Out</button>
 <button id="stopButton">Stop Animation</button>
 <img
  id="myImage"
  src="https://via.placeholder.com/200"
  alt="Sample Image"
 />
```

```
<script>
   // Show/Hide Effect
   $('#showHideButton').on('click', function () {
     $('#myImage').toggle('slow');
   });
   // Fade In/Out Effect
   $('#fadeInOutButton').on('click', function () {
     $('#myImage').fadeToggle('slow');
   });
   // Stop Animation
   $('#stopButton').on('click', function () {
     $('#myImage').stop();
   });
  </script>
 </body>
</html>
```





Toggle Image

Fade In/Out

Stop Animation



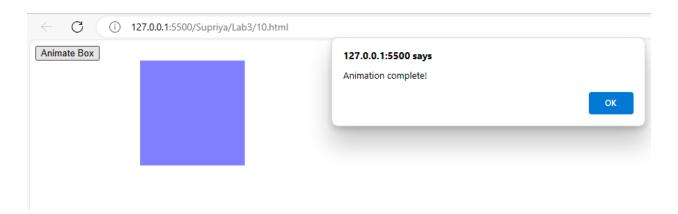
### 10. How animation is done using jQuery? Illustrate with exmaple.

```
height: 100px;
   background-color: blue;
   position: relative;
 </style>
</head>
<body>
 <button id="animateButton">Animate Box</button>
 <div id="animatedBox"></div>
 <script>
  $(document).ready(function () {
   // Animate Box when the button is clicked
   $('#animateButton').on('click', function () {
    // Use the animate function to change CSS properties over time
    $('#animatedBox').animate(
      {
       left: '+=150', // Move 150 pixels to the right
       opacity: 0.5, // Change opacity to 0.5
       width: '+=50', // Increase width by 50 pixels
       height: '+=50', // Increase height by 50 pixels
      },
      1000,
      function () {
```

```
alert('Animation complete!');
}
);
});
</script>
</body>
</html>

Animate Box

Animate Box
```



### 11. How json file is created? How can we parse the JSON file using JavaScript?

<!DOCTYPE html>

<html>

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Q.11 Parse JSON with JavaScript</title>
</head>
<body>
<script>
  var jsonString = '{"name": "Suyash Shrestha", "age": 21, "city": "KTM", "skills": ["JavaScript",
"HTML", "CSS"]}';
  var parsedData = JSON.parse(jsonString);
  document.write("Name: " + parsedData.name + "</br>");
  document.write("Age: " + parsedData.age + "</br>");
  document.write("City: " + parsedData.city + "</br>");
  document.write("Skills: " + parsedData.skills + "");
</script>
</body>
</html>
                (i) 127.0.0.1:5500/Supriya/Lab3/11.html
 Name: Supriya Gupta
 Age: 21
 City: KTM
 Skills: JavaScript,HTML,CSS
12. How AJAX is used to get the data from the server to the client side? Illustrate with
example.
<!DOCTYPE html>
<html>
```

```
<head>
 <meta charset="UTF-8"/>
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Q.12 AJAX Example</title>
</head>
<body>
 <button id="getDataButton">Get Data
 <div id="result"></div>
 <script>
  document
   .getElementById('getDataButton')
   .addEventListener('click', function () {
    // Create a new XMLHttpRequest object
    var xhr = new XMLHttpRequest();
    // Configure it to make a GET request to the specified URL
    xhr.open('GET', 'https://jsonplaceholder.typicode.com/todos/1', true);
    // Set up a callback function to handle the response
    xhr.onreadystatechange = function () {
     if (xhr.readyState == 4 && xhr.status == 200) {
      // Parse the JSON response
       var responseData = JSON.parse(xhr.responseText);
      // Update the content on the client side
       document.getElementById('result').innerHTML = `
```

```
User ID: ${responseData.userId}<br/>
           Title: ${responseData.title}<br/>
           Completed: ${responseData.completed}
     };
     // Send the request
     xhr.send();
    });
  </script>
 </body>
</html>
                 (i) 127.0.0.1:5500/Supriya/Lab3/12.html
   Get Data
                 i) 127.0.0.1:5500/Supriya/Lab3/12.html
  Get Data
 User ID: 1
 Title: delectus aut autem
 Completed: false
13. Create a simple XML element .
<?xml version="1.0" encoding="UTF-8"?>
<book>
```

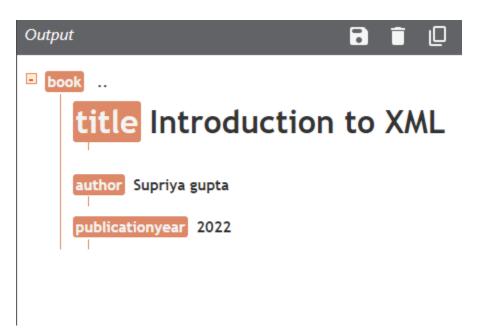
```
<title>Introduction to XML</title>
<author>John Doe</author>
<publicationYear>2022</publicationYear>
</book>
<!-- The root element is <book>.
```

It contains child elements <title>, <author>, and <publicationYear>.

Each child element has text content providing information about the book.

This is a basic structure, and XML can be used to represent more complex data with nested elements and attributes. Remember that XML documents start with a declaration (<?xml version="1.0" encoding="UTF-8"?>). The declaration specifies the XML version and the character encoding used in the document.

-->



## 14. Create an XML document that conforms to the following DTD.

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT Report (Students, Classes, Courses)>
<!ELEMENT Students (Student*)>
<!ELEMENT Classes (Class*)>
<!ELEMENT Courses (Course*)>
```

```
<!ELEMENT Student (Name, Status, CrsTaken*)>
      <!ELEMENT Name (First, Last)>
      <!ELEMENT First (#PCDATA)>
      <!ELEMENT Last (#PCDATA)>
      <!ELEMENT Status (#PCDATA)>
      <!ELEMENT CrsTaken (#PCDATA)>
      <!ELEMENT Class (Semester, ClassRoster)>
      <!ELEMENT Semester (#PCDATA)>
      <!ELEMENT ClassRoster (#PCDATA)>
      <!ELEMENT Course (#PCDATA)>
      <!ATTLIST Student StudId ID #REQUIRED>
      <!ATTLIST Course CrsCode ID #REQUIRED>
      <!ATTLIST CrsTaken CrsCode IDREF #REQUIRED>
      <!ATTLIST ClassRoster Members IDREFS #REQUIRED>
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE Report SYSTEM "report.dtd">
<Report>
  <Students>
    <Student StudId="s1">
      <Name>
         <First>Supriya</First>
         <Last>Gupta</Last>
      </Name>
      <Status>Enrolled</Status>
      <CrsTaken CrsCode="c1"/>
      <CrsTaken CrsCode="c2"/>
    </Student>
    <Student StudId="s2">
      <Name>
         <First>Jane</First>
         <Last>Smith</Last>
```

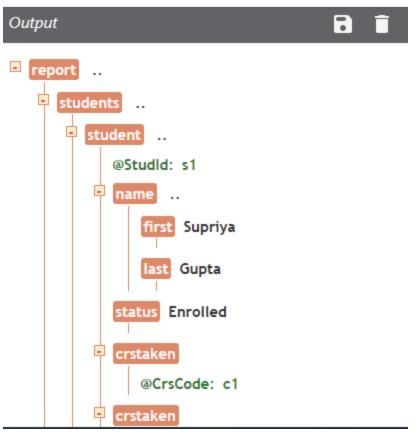
```
</Name>
      <Status>Graduated</Status>
      <CrsTaken CrsCode="c1"/>
    </Student>
  </Students>
  <Classes>
    <Class>
      <Semester>Fall 2022</Semester>
      <ClassRoster Members="s1 s2"/>
    </Class>
  </Classes>
  <Courses>
    <Course CrsCode="c1">Computer Science</Course>
    <Course CrsCode="c2">Mathematics</Course>
  </Courses>
</Report>
<!-- The XML document references the DTD using the <!DOCTYPE ...> declaration.
```

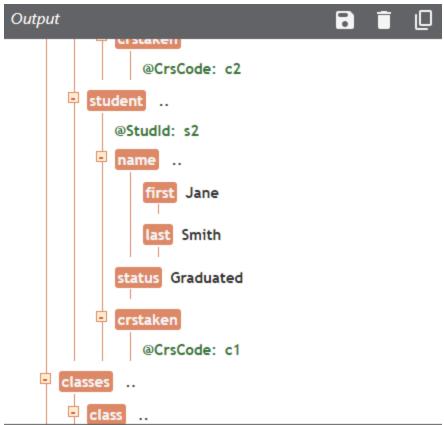
The structure of the XML document follows the specified DTD elements and attributes.

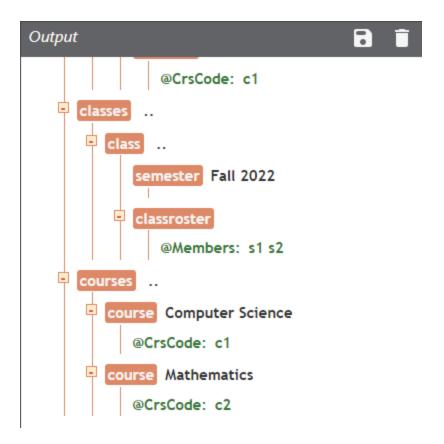
The StudId attribute for the <Student> element, CrsCode attribute for the <Course> element, and CrsCode attribute for the <CrsTaken> element are defined as IDs or IDREFs in the DTD.

The Members attribute for the <ClassRoster> element is defined as IDREFS in the DTD.

This is a simple example, and in a real-world scenario, the XML document may contain more data and follow a more complex structure based on the specific requirements. -->







## 15. Create a XML document with simple and complex type.

<?xml version="1.0" encoding="UTF-8"?>

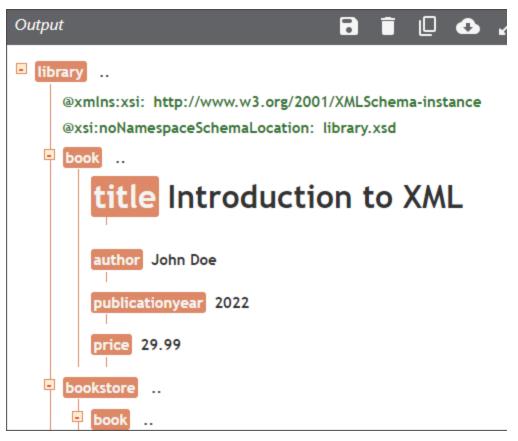
```
<book>
<book>
<book>
<br/>
<title>Web Development Basics</title>
<br/>
<author>Jane Smith</author>
<publicationYear>2021</publicationYear>
<br/>
<details>
<br/>
<pages>300</pages>
</details>
</book>
</bookstore>

/bookstore>

/library>
<!--</li>
```

- The <pri>- The <pri>- price</pr>> element is defined as a simple type with the type xs:decimal.
- The <details> element is defined as a complex type with a sequence of child elements (<genre> and <pages>).
- The root element < library > allows a choice between < book > and < bookstore >.
- The <book> element is defined as a complex type with a choice of child elements including the simple type <price> and the complex type <details>.
- The <bookstore> element is defined as a complex type allowing a collection of <book> elements.

\_\_>





### 16. How XSLT is used to transform the XML document? Illustrate with example .

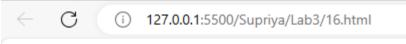
#### lab.xml

<?xml version="1.0" encoding="UTF-8"?> <library> <book> <title>Six of Crows</title>
<author>Holly</author> </book> <book> <title>The Song of Achilles</title>
<author>Idk</author> </book> </library>

lab.html <html> <head> <title>Qn.16</title> </head> <body> <h1>List</h1> <strong>Title:</strong> Six if Crows<br /> <strong>Author:</strong> Holly <strong> Title:</strong> The song of Achilles<br /> <strong> Author:</strong> Idk

### transform.xslt

<?xml version="1.0" encoding="UTF-8"?> <xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"> <xsl:template match="/"> <html>
 <head> <title>List</title> </head> <body> <h1>List</h1> <xsl:apply-templates
 select="library/book"/> </body> </html> </xsl:template> <xsl:template
 match="book"> <strong>Title:</strong> <xsl:value-of select="title"/> <br/> <strong>Author:</strong> <xsl:value-of select="author"/> </xsl:template> </xsl:stylesheet>



## Kabir

## List

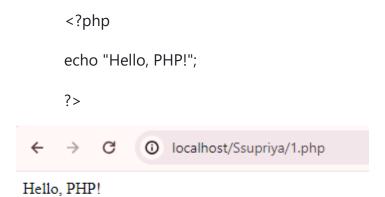
· Title: way of living

Author: Rampal ji maharaj

Title: Gyan ganga
 Author: Kabir

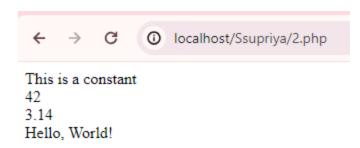
## LAB 4(PHP)

1. Write a simple PHP script that prints "Hello, PHP!" to the browser.



2. Declare variables of different data types (integer, float, string) and demonstrate the usage of constants in PHP.

```
<?php
$integerVar = 42;
$floatVar = 3.14;
$stringVar = "Hello, World!";
define("MY_CONSTANT", "This is a constant");
echo MY_CONSTANT . "<br>";
echo $integerVar . "<br>";
echo $floatVar . "<br>";
echo $stringVar;
?>
```



**3.**Create a PHP program that uses if-else statements to check if a number is positive, negative, or zero. Utilize different operators for comparison .

Positive

4. Develop a function that calculates the average of an array of numbers. Test the function with various arrays •

```
<?php
function calculateAverage($numbers)</pre>
```

5. Define a PHP class representing a "Book" with properties like title and author. Create objects of this class and display their attributes.

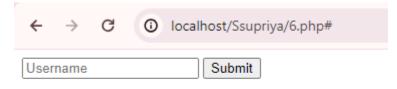
```
<?php
class Book
{
    public $title;
    public $author;
}
$book1 = new Book();
$book1->title = "The Great Gatsby";
$book1->author = "F. Scott Fitzgerald";
echo $book1->title . " by " . $book1->author;
?>
```



The Great Gatsby by F. Scott Fitzgerald

6. Design a simple HTML form with input fields. Create a PHP script that retrieves and displays the form data when submitted. • Code

```
<html>
<head>
  <title>Q.6 Form retrieval</title>
</head>
<body>
  <form method="post" action="#">
    <input type="text" name="username" placeholder="Username">
     <input type="submit" value="Submit">
  </form>
</body>
</html>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $username = $_POST["username"];
  echo "Submitted username: $username";
}
```



Submitted username: supriya

7.Enhance the previous form with PHP validation. Ensure that required fields are filled, and validate email addresses and make sure the phone number starts with 98 or 97 using regex.

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $username = $_POST["username"];
  $email = $_POST["email"];
  $phone = $_POST["phone"];
  if (empty($username) || empty($email) || empty($phone)) {
    echo "All fields are required.";
  } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
    echo "Invalid email address.";
  } elseif (!preg_match("/^(98|97)/", $phone)) {
    echo "Phone number must start with 98 or 97.";
  } else {
    echo "Form data validated successfully!";
```

```
}
}
?>
<html>
<head>
  <title>Q.7 Form validation</title>
</head>
<body>
  <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]); ?>">
    <input type="text" name="username" placeholder="Username">
    <input type="text" name="email" placeholder="Email">
    <input type="text" name="phone" placeholder="Phone">
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```



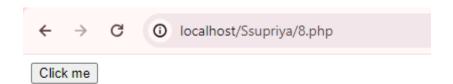
# 8. Implement PHP code that responds to a button click event on a form. Display a message when the button is clicked $\bullet$ Code

```
<html>
<head>
<title>Q.8 Button click</title>
</head>
<form method="post">
<input type="submit" name="submitBtn" value="Click me">
</form>
</html>

</php

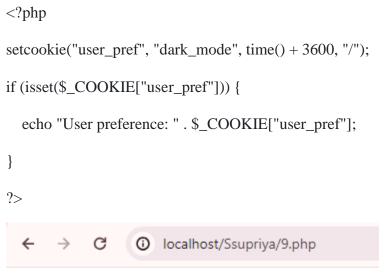
if (isset($_POST["submitBtn"])) {
    echo "Button clicked!";
}

?>
```



Button clicked!

9. Create a PHP script that sets a cookie with user preferences.Retrieve and display this information on subsequent visits •



User preference: dark\_mode

10. Build a form with various elements (textboxes, checkboxes, radio buttons). Use PHP to access and display the selected values .

```
<!DOCTYPE html>
<html>
<head>
    <title>PHP Form</title>
</head>
<body>
    <h2>PHP Form Example</h2>
    <?php

// Check if form is submitted

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Retrieve and display the values
```

```
$name = $_POST["name"];
    $email = $_POST["email"];
    $gender = $_POST["gender"];
    $interests = isset($_POST["interests"]) ? $_POST["interests"] : [];
    echo "<h3>Form Submission Results</h3>";
    echo "Name: $name<br/>';
    echo "Email: $email<br/>";
    echo "Gender: $gender<br/>";
    if (!empty($interests)) {
      echo "Interests: " . implode(", ", $interests) . "<br/>";
    } else {
      echo "No interests selected.<br/>";
    }
  }
  ?>
  <form action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>"
method="post">
    <label for="name">Name:</label>
    <input type="text" name="name" id="name" required>
    <br>
    <label for="email">Email:</label>
    <input type="email" name="email" id="email" required>
    <br>
    <label>Gender:</label>
```

```
<input type="radio" name="gender" value="male" id="male">
    <label for="male">Male</label>
    <input type="radio" name="gender" value="female" id="female">
    <label for="female">Female</label>
    <br>
    <label>Interests:</label>
    <input type="checkbox" name="interests[]" value="programming" id="programming">
    <label for="programming">Programming</label>
    <input type="checkbox" name="interests[]" value="reading" id="reading">
    <label for="reading">Reading</label>
    <input type="checkbox" name="interests[]" value="traveling" id="traveling">
    <label for="traveling">Traveling</label>
    <br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

## PHP Form Example

## Form Submission Results

Name: s	supriya	
Email: gsupriya073@gmail.com		
Gender: female		
Interest	s: traveling	
Name: [		
Email: [		
Gender:	○ Male ○ Female	
Interests:   Programming  Reading  Traveling		
Submit		

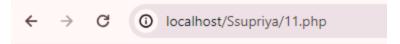
# 11. Develop a PHP script that reads content from a text file, modifies it, and then writes the updated content back to the file

```
<?php
$filename = "example.txt";

// Read content from file
$content = file_get_contents($filename);

// Modify content
$newContent = str_replace("old_text", "new_text", $content);

// Write updated content back to file
file_put_contents($filename, $newContent);
echo "File updated successfully";
?>
```



File updated successfully