

1]] Develop the HTML page named as “Myfirstwebpage.html”. Add the following tags with relevant content.

1. Set the title of the page as “My First Web Page”

2. Within the body use the following tags:

a) Moving text = “Basic HTML Tags”

b) Different heading tags (h1 to h6)

c) Paragraph

d) Horizontal line

e) Line Break

f) Block Quote

g) Pre tag

h) Different Logical Style (, <u>, <sub>, <sup> etc.)

```
<html>
```

```
<head>
```

```
    <title> My First Web Page </title>
```

```
</head>
```

```
<body>
```

```
    <marquee> Basic HTML Tags </marquee>
```

```
    <h1> Navkis College </h1>
```

```
    <h2> Navkis College </h2>
```

```
    <h3> Navkis College </h3>
```

```
    <h4> Navkis College </h4>
```

```
    <h5> Navkis college </h5>
```

```
    <h6> Navkis College </h6>
```

```
    <hr>
```

```
<p><u><b>Navkis College of Engineering</b></u>, Hassan (NCEH) is a state-of-the-art technical  
institution that provides an ideal atmosphere to the students to grow into world-class  
engineers.<blockquote> It was started in the year 2009-10 by Yagachi Education and Research Trust  
and is under the patronage of Navkis Group of Institutions, Bengaluru, from the year 2019-  
20.</blockquote> </p>
```

```
<pre>SL.NO   Name   USN
```

```
01   Name I   150
```

02 Name 2 151

03 Name 3 152</pre>

<p> This is subscript H₂O and This is superscript A²B</p>

</body>

</html>

2]] Develop the HTML page named as “Table.html” to display your class time table.

a) Provide the title as Time Table with table header and table footer, row-span and col-span etc.

b) Provide various colour options to the cells (Highlight the lab hours and elective hours with different colours.)

c) Provide colour options for rows.

<html>

<head>

</head>

<body>

 <table border="2">

 <caption>Class Time Table</caption>

 <thead style="background-color:yellow">

 <tr>

 <th>DAYS</th>

 <th>10-11</th>

 <th>11-12</th>

 <th>12-1</th>

 <th>1-2</th>

 <th>2-3</th>

 </tr>

 </thead>

 <tbody align=center>

 <tr style=background-color:cyan>

 <td style=background-color:orange> MON</td>

 <td> Web</td>

```

        <td rowspan="2">Java</td>
        <td style="color: blue">DS lab</td>
        <td>DBMS</td>
        <td style="color:brown">Elective</td>
    </tr>
    <tr style=background-color:#bf2c34>
        <td style="background-color:orange"> TUE</td>
        <td>DS</td>
        <td>DBMS</td>
        <td style="color:white">Elective</td>
        <td>Web</td>
    </tr>
    <tr style=background-color:#be398d>
        <td style="background-color:orange">WED</td>
        <td>Java</td>
        <td colspan="2">DS</td>
        <td>Web</td>
        <td>Sports</td>
    </tr>
</tbody>
<tfoot style="background-color:brown; color:white;">
    <tr align="center">
        <td colspan="6">All The Best</td>
    </tr>
</tfoot>
</table>
</body>
</html>

```

3]] Develop an external style sheet named as “style.css” and provide different styles for h2, h3, hr, p, div, span, time, img & a tags. Apply different CSS selectors for tags and demonstrate the significance of each.

HTML Code(index.html)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Program 3</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <h2>karnataka</h2>
  <h3>satyameva jayate</h3>
  <hr>
  <div class="dstyle"><h2>KARUNADU...!</h2><p>Karnataka is a <span id="state">state</span> in
india</p><p>Bangalore is a <span>capital city</span> of karnataka</p>
<time datetime="2024-10-14">October 14 2024</time><br>
<br>
</div>
<a href="http://www.karnataka.gov.in" >karnataka website</a>
</body>
</html>
```

CSS Code (style.css)

```
h2{
  text-align: center;
  color:red;
  background-color:lightblue;
  text-transform: uppercase;
}
img{
  width: 120px;
  height: 120px;
```

```

        border-radius: 100%;
    }
    hr{
        border:2px black solid;
    }
    div h2{
        color: orange;
        font-size: 20px ;
        background-color: aqua;
    }
    h3{
        text-transform: uppercase;
        text-align: right;
        color:orange ;
    }
    .dstyle{
        text-align: center;
        background-color:aqua;
        border:2px black solid;
    }
    #state{
        color:red;
    }
    a:hover{
        color:red;
    }

```

4]] Develop HTML page named as “registration.html” having variety of HTML input elements with background colors, table for alignment & provide font colors & size using CSS styles.

Html

<!DOCTYPE html>

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Program 4</title>
  <link rel="stylesheet" href="reg.css">
</head>
<body>
  <h2>registration form</h2>
  <form>
    <table>
      <tr>
        <td><label>Name</label></td>
        <td><input type="text" placeholder="enter your name" required></td>
      </tr>
      <tr>
        <td><label>Email</label></td>
        <td><input type="email" placeholder="enter your email" required></td>
      </tr>
      <tr>
        <td><label>DOB</label></td>
        <td><input type="date"></td>
      </tr>
      <tr>
        <td><label>Gender</label></td>
        <td>
          <select>
            <option>Select</option>
            <option>Male</option>
            <option>Female</option>
          </select>
        </td>
      </tr>
    </table>
  </form>
</body>
</html>
```

```
        </tr>
        <tr>
            <td></td>
            <td><input type="submit"></td>
        </tr>
    </table>
</form>
</body>
</html>
```

CSS

```
h2{
    text-transform: uppercase;
    color:black;
    text-align: center;
    padding: 1%;
}
body{
    background-color:aqua;
    font-family: Arial, Helvetica, sans-serif;
}
table{
    margin:auto;
    background-color:deepskyblue;
    padding: 5%;
    color: white;
}
input[type="text"],input[type="email"],input[type="date"],select{
    width: 150px;
    height: 18px;
}
```

```
input[type="submit"]{  
    background-color:crimson;  
    width: 70px;  
    padding: 5px;  
    color: white;  
}
```

5]] Develop HTML page named as “newpaper.html” having variety of HTML semantic elements with background colors, text-colors & size for figure, table, aside, section, article, header, footer... etc.

Lab 5 HTML

```
<html>  
<head>  
    <meta charset="UTF-8">  
    <title>Newspaper</title>  
    <link rel="stylesheet" href="new.css">  
</head>  
<body>  
    <header>  
        <h1>HASSAN NEWSPAPER</h1>  
    </header>  
    <section>  
        <aside>  
            <h2>Breaking News</h2>  
            <marquee direction="up" scrollamount="2">  
                <p>Nakis College Celebrated Fresher's Day</p>  
                <p>CM Visits Hasanamba Temple</p>  
                <p>Over 1.9 million devotees visited Hasanamba Temple in 2024</p>  
            </marquee>  
        </aside>
```



```
<div class="artdiv">

<article>

  <h2>Article 1: BELUR</h2>

  <figure>

  <figcaption>Belur Temple</figcaption>

</figure>

  <p>It is Beautiful Temple It is Beautiful Temple It is Beautiful Temple It is Beautiful Temple It is
Beautiful Temple</p>

</article>

<article>

  <h2>Article 2: HALEBIDU</h2>

  <figure>

  <figcaption>Halebidu Temple</figcaption>

</figure>

  <p>It is Beautiful Temple It is Beautiful Temple It is Beautiful Temple It is Beautiful Temple It
is Beautiful Temple</p>

</article>

<article>

  <h2>Article 3: NAVKIS</h2>

  <figure>

  <figcaption>Engineering College</figcaption>

</figure>

<p>It is a Engineering college in Hassan.It is a Engineering college in Hassan.It is a Engineering college
in Hassan.</p>

</article>

</div>

<article>

  <h2>Sports News</h2>

  <p>Border - Gavaskar Trophy starts from Nov 22 , 2024</p>

  

</article>

</section>

<footer>

  <p>&copy; All Rights Reserved</p>
```

```
</footer>
</body>
</html>
```

lab 5 CSS

```
header,footer
{
    background-color: purple;
    color: white;
    text-align: center;
    padding: 10px;
}

body
{
    background-color: cadetblue;
    margin: 10px;
}

section
{
    background-color: white;
    border-radius: 20px;
    padding: 10px;
    margin: 10px;
}

aside
{
    border-left: 5px solid blue;
    padding: 10px;
    margin: 5px;
    background-color: blanchedalmond;
```

```
}
```

```
aside h2
```

```
{
```

```
    color: maroon;
```

```
}
```

```
.artdiv
```

```
{
```

```
    display: flex;
```

```
    justify-content: space-evenly;
```

```
    gap: 50px;
```

```
    position: relative;
```

```
    margin: auto;
```

```
    padding: 10px;
```

```
}
```

```
img
```

```
{
```

```
    max-width: 80%;
```

```
    height: 250px;
```

```
    padding: 10px;
```

```
}
```

```
article
```

```
{
```

```
    border: 2px solid;
```

```
    text-align: center;
```

```
    padding: 10px;
```

```
}
```

```
article h2
```

```
{
```

```
    background-color: crimson;
```

```
    color: white;
```

```
}
```

```
figure
```

```
{  
    border-radius: 40px;  
}  
  
article:hover{  
    background-color: aquamarine;  
}
```

6]] Apply HTML, CSS and JavaScript to design a simple calculator to perform the following operations: sum, product, difference, remainder, quotient, power, square-root and square.

lab 6 HTML (calci.html)

```
<html>  
<head>  
    <meta charset="UTF-8">  
    <title>calculator</title>  
    <link rel="stylesheet" href="calci.css">  
</head>  
<body>  
    <h1>CALCULATOR</h1>  
    <table>  
        <tr>  
            <td>Enter First Number</td>  
            <td><input type="number" id="n1"/></td>  
        </tr>  
        <tr>  
            <td>Enter Second Number</td>  
            <td><input type="number" id="n2"></td>  
        </tr>  
        <tr>  
            <td><button onclick="calci('s')">Sum</button></td>  
            <td><button onclick="calci('d')">Difference</button></td>  
            <td><button onclick="calci('p')">Product</button></td>
```

```

        <td><button onclick="calci('q')">Quotient</button></td>
    </tr>
    <tr>
        <td><button onclick="calci('r')">Remainder</button></td>
        <td><button onclick="calci('pw')">Power</button></td>
        <td><button onclick="calci('sr')">Square Root</button></td>
        <td><button onclick="calci('sq')">Square</button></td>
    </tr>
</table>
<h2>Result</h2>
<h3 id="res"></h3>
<script src="calci.js"></script>
</body>
</html>

```

Lab 6 CSS (calci.css)

```

h1
{
    text-align: center;
    color: crimson;
}
h2
{
    text-align: center;
    color: palevioletred;
}
h3
{
    font-size: 50px;
    text-align: center;
}

```

```
    background-color: yellow;
}
```

table

```
{
    background-color: purple;
    color: white;
    margin: auto;
    padding: 10px;
}
```

button

```
{
    width: 100% ;
    padding:10px;
    background-color: crimson;
    color: white;
}
```

input

```
{
    margin: 5px;
    padding: 10px;
}
```

body

```
{
    display: grid;
    border-radius: 40px;
    box-shadow: 0 0 20px;
    width: 600px;
    height: 600px;
    text-align: center;
    margin: auto;
    margin-top: 25px;
}
```

Lab 6 JS (calci.js)

```
function calci(task)
{
    const n1 = parseFloat(document.getElementById('n1').value);
    const n2 = parseFloat(document.getElementById('n2').value);
    let output = 0;
    switch(task)
    {
        case 's': output = n1 +n2;
                break;
        case 'd': output = n1 - n2;
                break;
        case 'p': output = n1 * n2;
                break;
        case 'q': output = n1/n2;
                break;
        case 'r': output = n1 % n2;
                break;
        case 'pw': output = Math.pow(n1,n2);
                break;
        case 'sr': output = Math.sqrt(n1);
                break;
        case 'sq': output = Math.pow(n1,2);
                break;
    }
    document.getElementById('res').innerHTML= output;
}
```

7]] Develop JavaScript program (with HTML/CSS) for:

a) Converting JSON text to JavaScript Object

<html>

```
<head>
</head>
<body>
  <h3>Convert JSON to JavaScript Object</h3>
  <textarea rows="10" cols="70" id="input" placeholder="Enter JSON here..."></textarea>
  <br/>
  <button onclick="convert()">Convert</button>
  <div id="output"></div>
<script>
  function convert()
  {
    const jsonText = document.getElementById('input').value;
    try
    {
      const jsonObject = JSON.parse(jsonText);
      document.getElementById('output').textContent = JSON.stringify(jsonObject, null, 2);
    }
    catch (e)
    {
      document.getElementById('output').textContent = "Invalid JSON";
    }
  }
</script>
</body>
</html>
```

Input:

```
{ "name": "tom",
  "age": 10
}
```

Output:

```
{ "name": "tom", "age": 10 }
```


b) Convert JSON results into a date

```
<html>
<head>
</head>
<body>
  <h3>Convert JSON Date to JavaScript Date</h3>
  <textarea rows="10" cols="70" id="input" placeholder='Enter JSON with a date (e.g.,
{"date":"2024-11-20T10:00:00Z"}'></textarea>
  <br/>
  <button onclick="convert()">Convert</button>
  <div id="res" class="result"></div>
<script>
function convert() {
  const jsonText = document.getElementById('input').value;
  try {
    const jsonObject = JSON.parse(jsonText);
    if (jsonObject.date)
    {
      const date = new Date(jsonObject.date);
      document.getElementById('res').textContent = date.toString();
    }
    else
    {
      document.getElementById('res').textContent = "No date found";
    }
  }
  catch (e)
  {
    document.getElementById('res').textContent = "Invalid JSON";
  }
}
```

```
}  
</script>  
</body>  
</html>
```

Input:

```
{"date":"2024-11-20T10:00:00Z"}
```

Output:

Wed Nov 20 2024 15:30:00 GMT+0530 (India Standard Time)

c) Converting From JSON To CSV and CSV to JSON

```
<html>  
<head>  
</head>  
<body>  
  <h3>Convert JSON to CSV</h3>  
  <textarea rows="10" cols="70" id="jsonInput" placeholder='Enter JSON array here... '></textarea>  
  <br/>  
  <button onclick="convertJC()">Convert</button>  
  <div id="csvOutput"></div>  
  
  <h3>Convert CSV to JSON</h3>  
  <textarea rows="10" cols="70" id="csvInput" placeholder='Enter CSV data here... '></textarea>  
  <br/>  
  <button onclick="convertCJ()">Convert</button>  
  <div id="JCOutput"></div>  
  
<script>
```

```

function convertJC() {
  const jsonText = document.getElementById('jsonInput').value;
  try {
    const jsonArray = JSON.parse(jsonText);
    if (!Array.isArray(jsonArray)) {
      document.getElementById('csvOutput').textContent = "JSON should be an array!";
      return;
    }
    const keys = Object.keys(jsonArray[0]);
    const csv = jsonArray.map(row =>
      keys.map(key => JSON.stringify(row[key] || '')).join(',')
    );
    csv.unshift(keys.join(','));
    document.getElementById('csvOutput').textContent = csv.join('\n');
  } catch (e) {
    document.getElementById('csvOutput').textContent = "Invalid JSON!";
  }
}

```

```

function convertCJ() {
  const csvText = document.getElementById('csvInput').value;
  const lines = csvText.split('\n');
  const keys = lines[0].split(',');
  const jsonArray = lines.slice(1).map(line => {
    const values = line.split(',');
    const obj = {};
    keys.forEach((key, index) => {
      obj[key] = values[index];
    });
    return obj;
  });
  document.getElementById('JCOutput').textContent = JSON.stringify(jsonArray, null, 2);
}

```

```
}  
</script>  
</body>  
</html>
```

Input 1 : [{ "name": "tom", "age": "10" }]

Output 1: name,age "tom","10"

Input 2 :

name,age

tom,10

Output 2: [{ "name": "tom", "age": "10" }]

d) Create hash from string using crypto.createHash() method

```
<html>  
<head>  
</head>  
<body>  
  <h3>Create Hash from String</h3>  
  <textarea rows="10" cols="40" id="input" placeholder="Enter string to hash"></textarea>  
  <br/> <br/>  
  <button onclick="createHash()">Create Hash</button>  
  <div id="result"></div>  
<script>  
  function createHash()  
  {  
    const crypto = window.crypto || window.msCrypto;  
    const inputString = document.getElementById('input').value;  
    if (inputString === "")  
    {
```

```

    document.getElementById('result').textContent = "Enter a string!";
    return;
}
const encoder = new TextEncoder();
const data = encoder.encode(inputString);
crypto.subtle.digest('SHA-256', data).then(hash =>
{
    const hashArray = Array.from(new Uint8Array(hash));
    const hashHex = hashArray.map(byte => byte.toString(16).padStart(2, '0')).join("");
    document.getElementById('result').textContent = hashHex;
}).catch(err =>
{
    document.getElementById('result').textContent = "Error";
});
}
</script>
</body>
</html>

```

Input: h

Output: aaa9402664f1a41f40ebbc52c9993eb66aeb366602958fdfaa283b71e64db123

8]] a. Develop a PHP program (with HTML/CSS) to keep track of the number of visitors visiting the web page and to display this count of visitors, with relevant headings.

index.php

```

<?php
$n = 'sample.txt';
if (!file_exists($n))
{
    file_put_contents($n, 0);
}

```

```
}  
$counter = (int) file_get_contents($n);  
$counter++;  
file_put_contents($n, $counter);  
?>
```

```
<html>  
<head>  
  <title>Number of Visitors</title>  
  <style>  
    h2,.design  
    {  
      text-align: center;  
      font-size: 200%;  
      color: maroon;  
      margin-top: 20px;  
    }  
    .design  
    {  
      background-color: yellow;  
      font-weight: 600;  
      color:darkblue;  
    }  
    body  
    {  
      border-radius: 40px;  
      box-shadow: 0 0 20px;  
      margin: 50px;  
    }  
  </style>  
</head>  
<body>
```

```
<h2>Number of Visitors to this Web Page</h2>

<div class="design">

<?php echo $counter; ?>

</div>

</body>

</html>
```

8]] b. Develop a PHP program (with HTML/CSS) to sort the student records which are stored in the database using selection sort.

```
<?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "navkis";

$conn = new mysqli($servername, $username, $password, $dbname);
if ($conn->connect_error)
{
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT usn, name, marks FROM computer_science";
$result = $conn->query($sql);

$computer_science = [];
if ($result->num_rows > 0)
{
    while($row = $result->fetch_assoc())
    {
        $computer_science[] = $row;
    }
}
```

```

}
else
{
    echo "0 results";
}

function selectionSort(&$arr) {
    $n = count($arr);
    for ($i = 0; $i < $n - 1; $i++) {
        $minIdx = $i;
        for ($j = $i + 1; $j < $n; $j++) {
            if (strtolower($arr[$j]['name']) < strtolower($arr[$minIdx]['name'])) {
                $minIdx = $j;
            }
        }
        if ($minIdx != $i) {
            $temp = $arr[$i];
            $arr[$i] = $arr[$minIdx];
            $arr[$minIdx] = $temp;
        }
    }
}

```

```

selectionSort($computer_science);
$conn->close();
?>

```

```

<html>
<head>
    <title>Student Data</title>
    <style>
        h1,table

```



```
{
    text-align: center;
    color: crimson;
}
table
{
    border: 1px solid navy;
    margin: auto;
    width: 75%;
    color: navy;
    font-size: 150%;
}
th
{
    border: 1px solid;
    background-color: darkcyan;
    color: white;
}
tr:hover
{
    background-color: navajowhite;
}
td
{
    border: 1px solid;
}
</style>
</head>
<body>

<h1>STUDENT DATA</h1>
```

```

<?php if (!empty($computer_science)) : ?>
    <table>
        <thead>
            <tr>
                <th>USN</th>
                <th>NAME</th>
                <th>MARKS</th>
            </tr>
        </thead>
        <tbody>
            <?php foreach ($computer_science as $cs) : ?>
                <tr>
                    <td><?php echo $cs['usn']; ?></td>
                    <td><?php echo $cs['name']; ?></td>
                    <td><?php echo $cs['marks']; ?></td>
                </tr>
            <?php endforeach; ?>
        </tbody>
    </table>
<?php else: ?>
    <p>student data not found.</p>
<?php endif; ?>
</body>
</html>

```

9]] Develop jQuery script (with HTML/CSS) for:

- Appends the content at the end of the existing paragraph and list.
- Change the state of the element with CSS style using animate() method
- Change the color of any div that is animated.

index.html

```
<html>
<head>
  <title>jQuery Script Example</title>
<style>
  body
  {
    box-shadow: 0 0 20px;
    border-radius: 20px;
    margin: 80px;
    padding: 20px;
    display:inherit;
  }
  button
  {
    margin: 10px;
    padding: 10px;
    background-color: crimson;
    color: white;
  }
  button:hover
  {
    background-color: blue;
  }
</style>
</head>
<body>
  <h1>jQuery Animation</h1>
  <p id="para">Beautiful Countries</p>
  <ol id="myList">
    <li>India</li>
```

```
        <li>Switzerland</li>
    </ol>

    <button id="one">Click to Append Country</button> <br><br>

    <button id="Two">Click Here to see ANIMATION</button>

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

    <script src="script.js"></script>

</body>
</html>
```

Script.js

```
$(document).ready(function ()
{
    $('#one').click(function () {
        $('#para').append('. Text is Appended');
        $('#myList').append('<li>New Place</li>');
    });

    $('#Two').click(function ()
    {
        $(this).css('background-color', 'yellow');
        $(this).css('color', 'darkblue');
        $(this).animate({
            width: '500px',
            height: '250px',
        }, 1000, function () {
            $(this).css('height', '60px');
            $(this).css('width', '300px');
            $(this).css('background-color', 'crimson');
        });
    });
});
```

10]] Develop a JavaScript program with Ajax (with HTML/CSS) for:

a. Use ajax() method (without JQuery) to add the text content from the text file by sending ajax request.

```
<html>
```

```
<head>
```

```
<title>AJAX with Plain JavaScript</title>
```

```
<style>
```

```
#output
```

```
{
```

```
    box-shadow: 0 0 20px;
```

```
    border-radius: 20px;
```

```
    margin: 80px;
```

```
    padding: 20px;
```

```
    display:inherit;
```

```
    background-color: crimson;
```

```
    color: white;
```

```
    text-align: center;
```

```
}
```

```
body
```

```
{
```

```
    text-align: center;
```

```
    padding: 20px;
```

```
}
```

```
button
```

```
{
```

```
    background-color:yellow;
```

```
}
```

```
</style>
</head>
<body>

<h2>Using Plain JavaScript (without jQuery)</h2>
<button onclick="loadText()">Click Here</button>
<div id="output"></div>

<script>
  function loadText()
  {
    const xhr = new XMLHttpRequest();
    xhr.open('GET', 'sample.txt', true);
    xhr.onreadystatechange = function ()
    {
      if (xhr.readyState == 4 && xhr.status == 200)
      {
        document.getElementById('output').innerText = xhr.responseText;
      }
    };
    xhr.send();
  }
</script>
</body>
</html>
```

sample.txt

WEB TECHNOLOGY

b. Use ajax() method (with JQuery) to add the text content from the text file by sending ajax request.

```
<html>
<head>
  <title>AJAX Examples with jQuery</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    #output {
      box-shadow: 0 0 20px;
      border-radius: 20px;
      margin: 80px;
      padding: 20px;
      display: inherit;
      background-color: crimson;
      color: white;
      text-align: center;
    }
    body
    {
      text-align: center;
      padding: 20px;
    }
    button
    {
      background-color: yellow;
    }
  </style>
</head>
<body>
  <h1>AJAX Examples with jQuery</h1>
```

```
<button id="load">Click Here (With jQuery)</button>
```

```
<div id="output"></div>
```

```
<script>
```

```
    $("#load").click(function()  
    {  
        $.ajax({  
            url: "sample.txt",  
            method: "GET",  
            success: function(data) {  
                $("#output").text(data);  
            }  
        });  
    });  
});
```

```
</script>
```

```
</body>
```

```
</html>
```

sample.txt

WEB TECHNOLOGY

c. Illustrate the use of `getJSON()` method in jQuery

index.html

```
<html>
```

```
<head>
```

```
    <title>AJAX getJSON Example</title>
```

```
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

```
    <style>
```

```
        button
```

```
    {
```



```

        background-color: yellow;
    }

    #output {
        box-shadow: 0 0 20px;
        border-radius: 20px;
        margin: 80px;
        padding: 20px;
        display: inherit;
        background-color: crimson;
        color: white;

    }

    body
    {
        text-align: center;
    }
</style>
</head>
<body>

    <h1 >AJAX getJSON Example</h1>

    <button id="loadJSON">Click Here</button>

    <div id="output"></div>

<script>
    $("#loadJSON").click(function()
    {
        $.getJSON("sample.json", function(data)
        {
            let content = "<ul>";
            data.forEach(function(item) {
                content += `<li>${item.name} - ${item.age}</li>`;
            });
        });
    });

```

```
        content += "</ul>";
        $("#output").html(content);
    });
});
</script>
</body>
</html>
```

Sample.json

```
[
  {"name": "Tom", "age": 10},
  {"name": "Jerry", "age": 20}
]
```

d. Illustrate the use of `parseJSON()` method to display JSON values.

```
<html>
<head>
  <title>AJAX parseJSON Example</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    button
    {
      background-color: yellow;
    }
    #output
    {
      box-shadow: 0 0 20px;
```

```

border-radius: 20px;

margin: 80px;

padding: 20px;

display: inherit;

background-color: crimson;

color: white;

}

body

{

    text-align: center;

}

</style>

</head>

<body>

    <h2>Use parseJSON() to Display JSON</h2>

    <button id="loadJsonBtn">Click Here</button>

    <div id="output"></div>

    <script>

        $(document).ready(function() {

            $("#loadJsonBtn").click(function() {

                var jsonString = '{"usn": 101, "name": "tom", "marks": 75}';

                var jsonObject = $.parseJSON(jsonString); // Parses the string into a JSON object

                var output = "<ul>";

                $.each(jsonObject, function(key, value) {

                    output += "<li>" + key + ": " + value + "</li>";

                });

                output += "</ul>";

                $("#output").html(output);

            });

        });

    </script>

```

</body>

</html>