



INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dr. Ram Manohar Lohia Awadh University

Ayodhya

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Information Technology

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Information Technology

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4.	To create a registration form as mentioned : 1) set background colours , 2) use Table for alignment , 3) provide front colour and size.	
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Practical No.-1

AIM- 1 :- To create a simple HTML file to demonstrate the use of different tags .

Source Code :-

```
<!DOCTYPE html>
<html>
<head>
  <title>Educational Website</title>
</head>
<body>
  <header>
    <h1>Welcome to the BuildUp Courses</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Courses</a></li>
        <li><a href="#">About Us</a></li>
        <li><a href="#">Contact</a></li>
      </ul>
    </nav>
  </header>

  <main>
    <section>
      <h2>About Us</h2>
      <p>Welcome to BuildUp Courses. We offer a wide range of courses to help you enhance your knowledge and skills.</p>
      <p>Our experienced instructors are dedicated to providing high-quality education to our students.</p>
    </section>

    <section>
      <h2>Courses</h2>
      <ul>
        <li>Mathematics</li>
        <li>Science</li>
        <li>History</li>
        <li>English Literature</li>
      </ul>
    </section>

    <section>
      <h2>Contact</h2>
      <p>If you have any questions or inquiries, please feel free to contact us:</p>
      <address>
        Email: info@buildup.com<br>
        Phone: 123-456-7890<br>
        Address: 2nd last , Sector 5 , Jogitara Faizabad
      </address>
    </section>
  </main>
</body>
</html>
```

</main>

<footer>

<p>© 2023 Educational Website. All rights reserved.</p>

</footer>

</body>

</html>

Practical No.-2

AIM- 2:- To create an HTML file to link to different HTML page which contains images tables and also link within a page.

Source Code :-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>PORTFOLIO</title>
</head>
<body>
  <header>
    <div>
      <table border="00" cellpadding="00" cellspacing="00" bgcolor="cyan" widht="100%">
        <tr>
          <td>

          </td>
          <td><font face="Serif" size="7">
            MY PORTFOLIO
          </font></td>
          <td width="40%">

          </td>
          <td>

          <table border="00" cellpadding="10px" align="right" valign="top">
            <tr>
              <th size="80px"> <a href="#about"> About </a></th>
              <th size="80px"> <a href="education.html"> Education </a> </th>
              <th size="50px"> <a href="skills.html"> Skills and Certificate </a> </th>
              <th size="50px"> <a href="details.html"> Personal Details </a></th>
              <th size="70px"> <a href="Myjourney.html"> My Journey</a></th>
            </tr>
          </table>
        </td>
      </table>
    </div>
  </header>
  <table border="2" bordercolor="black" bgcolor="black" width="100%" cellpadding="00">
    <tr>
      <td width="60%">
        
        <h1 id="about"> <font color="cyan" size="6" face="time new roman">ABOUT Myself</font>
```

</h1>

<pre>

Hello , my name is JAHNAVI GOVIND RAO.

I am from Ramkola Kushinagar and currently pursuing Btech(2nd year) in Information Technology from ,

Institute of Engineering and Technology DR. Ram Manohar Lohia Awadh University , Ayodhya.

<h2>MY Strength</h2>

Consistant

Clever

Calm

Dedicated

<h2>MY Weakness</h2>

Emotional

Procastinated

Sensitive

Kind

</pre>

</td>

</tr>

</table>

<hr color="black">

©Copyright : Designed and Developed by Jahnavi Govind Rao

<hr color="black">

</body>

</html>

Practical No.-3

AIM- 3 :- To create an HTML page with different types of frame such as floating frame, navigation frame and mixed frame.

Source Code :-

```
<!DOCTYPE html>
<html>
<head>
    <title>Frames</title>
</head>
    <frameset rows="33% , 33% , 33%">
        <frame src="skills.html" name="nav" scrolling="yes">
            <frame src="details.html" name="content">
                <frame src="education.html" name="float" scrolling="yes">
            </frameset>
        </frameset>
    </html>
```

Practical No.-4

AIM- 4 :- To create a registration form as mentioned : 1) set background colours , 2) use Table for alignment , 3) provide front colour and size

Source Code :-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <style>
    body{
      background-image:url('Regisbg.jpg');
      background-repeat: no-repeat;
      background-attachment: fixed;
      background-size: 100% 100%;
    }
  </style>
  <pre>
    <table border="2" width="100%" cellspacing="0" cellpadding="0">
      <tr>
        <td><font size="4" face="cambria" color="red">
          <h1 align="center"><font size="7" color="White" face="copperplate">Registration
Form</font></h1>

          <b><div class="container" id="box">
            <label for="Name">NAME :</label>
            <input type="text" placeholder="Enter Name">

            <label for="email">E-mail :</label>
            <input type="text" placeholder="Enter E-mail">

            <label for="DOB">DOB :</label>
            <input type="text" placeholder="dd/mm/yyyy">

            <label for="Name">Degree :</label>
            <input type="text" placeholder="Enter Degree">

            <label for="Name">Streme:</label>
            <input type="text" placeholder="Enter Your Streme">

            <label for="Name">College :</label>
            <input type="text" placeholder="College Name">

            <label for="year">Passing Year:</label>
```



```
<input type="number" placeholder="Enter Year">
```

```
<label for="Name">Create Password :</label>
```

```
<input type="number" placeholder="Enter Password">
```

```
<label for="Name">Re-type your Password:</label>
```

```
<input type="number" placeholder="Enter Password"></b>
```

```
<button type="button">Submit</button>
```

```
<style>
```

```
  #box{
```

```
    color: white;
```

```
    position: sticky;
```

```
  }
```

```
  input[type=text]{
```

```
    width: 50%;
```

```
    border: 4px solid black;
```

```
    border-radius: 3px;
```

```
    padding: 8px;
```

```
  }
```

```
  input[type=number]{
```

```
    width: 50%;
```

```
    border: 4px solid black;
```

```
    border-radius: 3px;
```

```
    padding: 8px;
```

```
  }
```

```
</style>
```

```
</div>
```

```
</font>
```

```
</td>
```

```
</tr>
```

```
</table>
```

```
</pre>
```

```
</body>
```

```
</html>
```

Practical No.-5

AIM- 5:- To create an HTML file by applying the different styles using inline external and internal style sheets.

Source Code :-

```
<!DOCTYPE html>
<html>
<head>
  <title>Food Service Store</title>
  <style>
    /* Inline styles */
    h1 {
      color: red;
      font-size: 24px;
    }
  </style>
  <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
  <h1 style="text-align: center;">Welcome to KHAO PLOO</h1>
  <p>We offer a wide range of delicious food products for all your culinary needs.</p>
  <div class="product">
    <h2>PIZZA</h2>
    <p>Pizza is a beloved and iconic dish known for its delicious combination of flavors and versatility.
      With a crispy or chewy crust, tangy tomato sauce, gooey cheese, and a variety of toppings, pizza
      satisfies cravings around the world.
      Whether enjoyed as a classic Margherita or loaded with toppings, pizza is a universal favorite for its
      irresistible taste.
      <B>Price stating at just INR 79/-</B></p>
    </div>
    <div class="product">
      <h2>MOMOS</h2>
      <p>Momos are a popular Asian delicacy, consisting of steamed or fried dumplings filled with flavorful
      meat or vegetable fillings.
      They are often served with spicy dipping sauces, making them a tasty and satisfying snack or meal.
      <B>Price stating at just INR 39/- for half plate</B></p>
    </div>
  <style>

body {
  background-color: #f2f2f2;
  font-family: Arial, sans-serif;
}

.product {
  background-color: #fff;
  padding: 10px;
  margin-bottom: 20px;
```

```
border-radius: 5px;  
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);  
}
```

```
h2 {  
  color: #333;  
  font-size: 18px;  
  margin-bottom: 5px;  
}
```

```
p {  
  color: #666;  
  font-size: 14px;  
}
```

```
</style>  
</body>  
</html>
```

Practical No.-6

AIM- 6:- To write a JavaScript program to define a user defined function for storing the values in the Array.

Source Code :-

```
// User-defined function for sorting an array
function sortArray(arr) {
  // Perform a simple bubble sort
  for (let i = 0; i < arr.length - 1; i++) {
    for (let j = 0; j < arr.length - i - 1; j++) {
      if (arr[j] > arr[j + 1]) {
        // Swap elements if they are in the wrong order
        let temp = arr[j];
        arr[j] = arr[j + 1];
        arr[j + 1] = temp;
      }
    }
  }

  return arr;
}

let numbers = [5, 2, 8, 1, 9];
console.log("Original array:", numbers);

let sortedNumbers = sortArray(numbers);
console.log("Sorted array:", sortedNumbers);
```

Practical no.-7

AIM- 7:- To create an HTML page to explain the use of various predefined function in string and math object in JavaScript.

Source Code :-

```
<!DOCTYPE html>
<html>
<head>
  <title>JavaScript String and Math Objects</title>
</head>
<body>
  <h1>JavaScript String and Math Objects</h1>
  <h2>String Object</h2>
  <p>The JavaScript String object provides several predefined functions to manipulate strings:</p>
  <h3>String Length</h3>
  <p>To get the length of a string, use the <code>length</code> property:</p>
  <pre><code>const str = 'Hello, world!';
console.log(str.length); // Output: 13</code></pre>
  <h3>Substring</h3>
  <p>To extract a portion of a string, use the <code>substring()</code> method:</p>
  <pre><code>const str = 'Hello, world!';
console.log(str.substring(0, 5)); // Output: Hello</code></pre>
  <h3>Concatenation</h3>
  <p>To concatenate two or more strings, use the <code>concat()</code> method:</p>
  <pre><code>const str1 = 'Hello';
const str2 = 'world!';
console.log(str1.concat(' ', str2)); // Output: Hello, world!</code></pre>
  <h2>Math Object</h2>
  <p>The JavaScript Math object provides several predefined functions for mathematical operations:</p>
  <h3>Random Number</h3>
  <p>To generate a random number between 0 and 10, use the <code>random()</code> method:</p>
  <pre><code>const randomNumber = Math.floor(Math.random() * 11);
console.log(randomNumber);</code></pre>
  <h3>Rounding</h3>
  <p>To round a number to the nearest integer, use the <code>round()</code> method:</p>
  <pre><code>const num = 3.7;
console.log(Math.round(num)); // Output: 4</code></pre>

  <h3>Maximum and Minimum</h3>
  <p>To find the maximum or minimum value among a set of numbers, use the <code>max()</code> and
<code>min()</code> methods:</p>
  <pre><code>const numbers = [5, 2, 9, 1, 7];
console.log(Math.max(...numbers)); // Output: 9
console.log(Math.min(...numbers)); // Output: 1</code></pre>

</body>
</html>
```

Practical No.-8

AIM- 8:- To create an HTML page to explain the use of various predefined functions in an array and date object in JavaScript .

Source Code :-

```
<!DOCTYPE html>
<html>
<head>
  <title>JavaScript Array and Date Objects</title>
</head>
<body>
  <h1>JavaScript Array and Date Objects</h1>

  <h2>Array Object</h2>
  <p>The JavaScript Array object provides several predefined functions to manipulate arrays:</p>

  <h3>Array Length</h3>
  <p>To get the length of an array, use the <code>length</code> property:</p>
  <pre><code>const numbers = [1, 2, 3, 4, 5];
console.log(numbers.length); // Output: 5</code></pre>

  <h3>Array Iteration</h3>
  <p>To iterate over each element in an array, you can use various methods like <code>forEach()</code>, <code>map()</code>, <code>filter()</code>, etc.:</p>
  <pre><code>const fruits = ['apple', 'banana', 'orange'];
fruits.forEach((fruit) => {
  console.log(fruit);
});

const uppercasedFruits = fruits.map((fruit) => {
  return fruit.toUpperCase();
});
console.log(uppercasedFruits);

const filteredFruits = fruits.filter((fruit) => {
  return fruit.length > 5;
});
console.log(filteredFruits);</code></pre>

  <h2>Date Object</h2>
  <p>The JavaScript Date object provides several predefined functions to work with dates and times:</p>

  <h3>Current Date and Time</h3>
  <p>To get the current date and time, create a new Date object without any arguments:</p>
  <pre><code>const currentDate = new Date();
console.log(currentDate);</code></pre>

  <h3>Date Formatting</h3>
```

<p>You can format dates using various methods like <code>getFullYear()</code>, <code>getMonth()</code>,</p>

<code>getDate()</code>, <code>getHours()</code>, <code>getMinutes()</code>, etc.</p>

```
<pre><code>const date = new Date();
console.log(date.getFullYear());
console.log(date.getMonth());
console.log(date.getDate());
console.log(date.getHours());
console.log(date.getMinutes()); </code></pre>
```

<h3>Date Manipulation</h3>

<p>You can manipulate dates using methods like <code>setFullYear()</code>, <code>setMonth()</code>,</p>

<code>setDate()</code>, <code>setHours()</code>, <code>setMinutes()</code>, etc.:</p>

```
<pre><code>const date = new Date();
date.setFullYear(2022);
date.setMonth(8); // September (0-11)
date.setDate(15);
console.log(date);</code></pre>
```

</body>

</html>