ARAVALI COLLEGE OF ENGINEERING & MANAGEMENT

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Internet & Web Technology Lab File

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(2024-2025)

FACULTY INCHARGE   **Submitte By:**

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S. No.	Name of Experiment	Date	Signature
1	Write a program using basic tags: Bold, Italic, underline, paragraph		
2	Create a table for railway time table		
3	Create a student table with attributes (name, age, roll no, class, semester) using cell spacing (4) and cell padding (3, 4, 5)		
4	Write a program to insert an image in the web page, use at least 2 attributes of image using H1 H2 tags. Also write description of image		
5	WAP to use frames in a web page implementing different elements		
6	WAP to create a University Website		
7	WAP to add two numbers using JavaScript		
8	WAP to find a factorial of number using recursion in JS		
9	WAP to add two numbers, make use of the functions called sum and pass the parameter		
10	WAP to create a University Website		

PROGRAM-1

AIM: WAP to demonstrate bold,heading,italic,underline text in HTML.

CODE:-

1.Heading
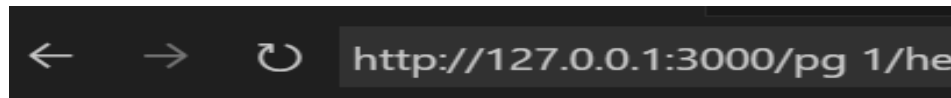
```
<html>
<head>
<title>Heading Example</title>
</head>
<body>
<h1 style="color: red;">Heading 1</h1>

   <h2>Heading 2</h2>

   <h3>Heading 3</h3>

   <h4>Heading 4</h4>

    <h5>Heading 5</h5>

    <h6>Heading 6</h6>

</body>
</html>
```

OUTPUT:

2.Bold

```
<html>
<head>
<title>Bold Example</title>
</head>
<body>
<p><b>This text is bold</b></p>
</body>
</html>
```

OUTPUT:

This is bold text.

3.Italic

```
<!DOCTYPE html>
<html>
<head>
<title>Italic Example</title>
</head>
<body>
<p><i>This text is italic</i></p>
</body>
</html>
```

OUTPUT:

This is italic text.

4.Underline

```
<html>
<head><title>Underline Example</title></head>
<body>
<p><u>This text is underlined</u></p>
</body>
</html>
```

OUTPUT:

This is Underline text.

PROGRAM-2

AIM: WAP to demonstrate Ordered list and Un-ordered in HTML.

CODE:-

```
<html>
<head>
<title>List Examples</title>
</head>
<body>
<h1>List Examples</h1>
<h2>Unordered List</h2>
<ul>
<li>Cricket</li>
<li>Football</li>
<li>Baseball</li>
</ul>
<h2>Ordered List with Numbers</h2>
<ol>
<li>Apple</li>
<li>Banana</li>
<li>Mango</li>
</ol>
</body>
</html>
```

OUTPUT:

Unordered List

- Cricket
- Football
- Baseball

Ordered List

1. Cricket
2. Football
3. Baseball

PROGRAM-3

AIM: WAP to demonstrate Tables,table style in HTML.

CODE:-

1.Railway Reservation system

```html
<html>
<body>
  <h1>The Railway Reservation Table</h1>
  <table border="1">
   <tr>
     <th>Name of Train</th>
     <th>Arrival Time</th>
     <th>Departure Time</th>
     <th>Station</th>
     <th>Ticket Price</th>
   </tr>
   <tr>
     <td>Rajdhani </td>
     <td>9:30 AM</td>
     <td>10:30 AM </td>
     <td>New-Delhi</td>
     <td>$1000</td>
   </tr>
   <tr>
     <td>Chennai express</td>
     <td>10:30 AM</td>
     <td>11:40AM </td>
     <td>Mathura Jn</td>
     <td>$300</td>
   </tr>
  </table>
</body>
</html>
```

OUTPUT:

The Railway Reservation Table

Name of Train	Arrival Time	Departure Time	Station	Ticket Price
Rajdhani	9:30 AM	10:30 AM	New-Delhi	$1000
Chennai express	10:30 AM	11:40AM	Mathura Jn	$300

2.Student Record Table

```html
<html>
<head><title>Std_records</title></head>
<body>
   <h1>Student Data record </h1>
   <table border="1">
     <tr>
        <th>Name</th>
        <th>Age</th>
        <th>Roll no.</th>
        <th>Class</th>
        <th>Semester</th>
     </tr>
     <tr>
        <td><b>Ankit</b></td>
        <td>18</td>
        <td>10</td>
        <td>BCA DS-A</td>
        <td> 3rd</td>
     </tr>
   </table>
</body>
</html>
```

OUTPUT:

Student Data record

Name	Age	Roll no.	Class	Semester
Ankit	18	10	BCA DS-A	3rd

3.Cell Spacing and Cell padding

```
<html>
<head><title>Cell padding and Spacing</title></head>
<body>
   <h1>Student Data record </h1>
   <table border="1" , cellspacing="9" cellpading="13">
     <tr>
        <th>Name</th>
        <th>Age</th>
        <th>Roll no.</th>
        <th>Class</th>
        <th>Semester</th>
     </tr><tr>
        <td><b>Ankit</b></td>
        <td>18</td>
        <td>10</td>
        <td>BCA DS-A</td>
        <td> 3rd</td>
     </tr>
   </table>
</body>
</html>
```

OUTPUT:

Student Data record

Name	Age	Roll no.	Class	Semester
Ankit	18	10	BCA DS-A	3rd

PROGRAM-4

AIM: Write a program to insert an image in the web page,use atleast 2 attributes of image using H1 H2 tags.also write description of image

CODE:-

```
<html>
<head><title>website</title>
 </head>
<body>
<h1>Goku</h1>
<img src="image1.png" alt="goku_img" width="200px">
<p>Goku is strong and inspiring chracter.</p>

<h2>Attack on titan</h2>
<img src="image2.png" alt="aot_img" width="200px">
<p> Attack on Titan  is a Japanese manga series written and illustrated by Hajime
Isayama</p>
</body>
</html>
```

OUTPUT:

Goku

Goku is strong and inspiring chracter.

Attack on titan

Attack on Titan is a Japanese manga series written and illustrated by Hajime Isayama

PROGRAM-5

AIM: W.A.P For the following:

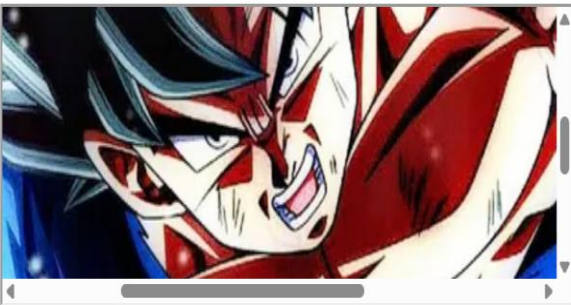**CODE:-**

```
<html>
<head><title>website</title>
</head>
<body>
<h1>Goku</h1>
<iframe src="iamge1.png" height="50%" width="50%" title="frame1"></iframe>
<p>Goku is strong and inspiring chracter.</p>

<h2>car</h2>
<iframe src=" bugatti-chiron.jpg " height="50%" width="50%" title="frame2"></iframe>
</body>
</html>
```
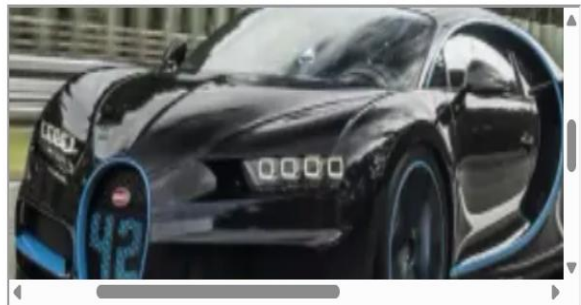
OUTPUT:

Goku is strong and inspiring chracter.

Bugatti Chiron is a supercar designed by Bugatti Automobiles, a French automobile manufacturer.

PROGRAM-6

AIM: W.A.P Wap to use frames in a web page implementing different elements

CODE:-

1.Attributes in html-class,id,title

```html
<html>
<head><title>Attributes </title>
<style>
.line1{
  background-color:grey;
  color:white;
}
#high{
  background-color:red;
  }
</style>
</head>
<body>
<table border="1" cellspacing="0">
 <tr>
   <th class="line1">Product</th>
   <th class="line1">Price</th>
   <th class="line1">Quantity</th>
 </tr>
 <tr>
   <td title="laptop">Laptop</td>
   <td id="high">$999.99</td>
   <td>2</td>
 </tr>
 <tr>
   <td title="smartphone">Smartphone</td>
   <td>$499.99</td>
   <td>1</td>
```

```
    </tr>
    <tr>
      <td>Tablet</td>
      <td>$299.99</td>
      <td>3</td>
    </tr>
  </table>
</body>
</html>
```

OUTPUT:

Product	Price	Quantity
Laptop	$999.99	2
Smartphone	$499.99	1
Tablet	$299.99	3

3.Nested Table

```
<html>
<head>
  <title>Nested Tables Example</title>
</head>
<body>
  <h2>Employee Information with Purchases</h2>
  <table border="1" cellspacing="0" cellpadding="5">
    <tr>
      <th>Name</th>
      <th>Age</th>
      <th>City</th>
      <th>Purchases</th>
```

```
    </tr>
    <tr>
      <td>John</td>
      <td>25</td>
      <td>New York</td>
      <td>
        <table border="1" cellspacing="0" cellpadding="3">
          <tr>
            <th>Item</th>
            <th>Price</th>
            <th>Quantity</th>
          </tr>
          <tr>
            <td>Laptop</td>
            <td>$999.99</td>
            <td>2</td>
          </tr>
          <tr>
            <td>Smartphone</td>
            <td>$499.99</td>
            <td>1</td>
          </tr>
        </table>
      </td>
    </tr>
    <td>Bob</td>
    <td>30</td>
    <td>Chicago</td>
    <td>
      <table border="1" cellspacing="0" cellpadding="3">
        <tr>
          <th>Item</th>
          <th>Price</th>
          <th>Quantity</th>
        </tr>
        <tr>
```

```html
      <td>Monitor</td>
      <td>$199.99</td>
      <td>1</td>
     </tr>
    </table>
   </td>
   </tr>
  </table>
</body>
</html>
```

OUTPUT:

Employee Information with Purchases

Name	Age	City	Purchases		
John	25	New York	**Item**	**Price**	**Quantity**
			Laptop	$999.99	2
			Smartphone	$499.99	1
Bob	30	Chicago	**Item**	**Price**	**Quantity**
			Monitor	$199.99	1

2.Rowspan and Colspan

```html
<html>
<head> <title> Rowspan/colspan</title></head>
<body>
<table style="background-color: #f2f2f2; border: 1px solid #ddd;" border="1"
cellspacing="0">
 <tr>
   <th>Name</th>
   <th>Age</th>
   <th>City</th>
 </tr>
 <tr>
```

```
    <td>John</td>
    <td rowspan="2">25</td>
    <td>New York</td>
  </tr>
  <tr>
    <td>Jane</td>
    <td>Los Angeles</td>
  </tr>
  <tr>
    <td>Bob</td>
    <td >30</td>
    <td colspan="2">Chicago</td>
  </tr>
</table>
</body>
</html>
```

OUTPUT:

Name	Age	City
John	25	New York
Jane		Los Angeles
Bob	30	Chicago

PROGRAM-7

AIM: WAP to add two numbers using JavaScript.

CODE:-

```
<!DOCTYPE html>
<html>
<head>
 <title>Program-7: Add Two Numbers</title>
</head>
<body>
 <h2>Add Two Numbers using JavaScript</h2>
 <input type="number" id="num1" placeholder="Enter first number">
 <input type="number" id="num2" placeholder="Enter second number">
 <button onclick="addNumbers()">Add</button>
 <p id="result"></p>

 <script>
   function addNumbers() {
    var n1 = parseFloat(document.getElementById("num1").value);
    var n2 = parseFloat(document.getElementById("num2").value);
    var sum = n1 + n2;
    document.getElementById("result").innerText = "Sum: " + sum;
   }
 </script>
</body>
</html>
```

OUTPUT:

Add Two Numbers using JavaScript

| 4 | 4 | Add |

Sum: 8

PROGRAM-8

AIM: WAP to find a factorial of number using recursion in JS.

CODE:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Program-8: Factorial using Recursion</title>
</head>
<body>
  <h2>Find Factorial using Recursion</h2>
  <input type="number" id="num" placeholder="Enter a number">
  <button onclick="showFactorial()">Find Factorial</button>
  <p id="output"></p>

  <script>
    function factorial(n) {
      if (n === 0 || n === 1)
        return 1;
      else
        return n * factorial(n - 1);
    }
    function showFactorial() {
      var n = parseInt(document.getElementById("num").value);
      document.getElementById("output").innerText = "Factorial: " + factorial(n);
    }
  </script>
</body>
</html>
```

OUTPUT:

Find Factorial using Recursion

5   Find Factorial

Factorial: 120

PROGRAM-9

AIM: WAP to add two numbers, make use of the functions called sum and pass the parameter.

CODE:-

```
<!DOCTYPE html>
<html>
<head>
 <title>Program-9: Add Two Numbers using Function</title>
</head>
<body>
 <h2>Add Two Numbers Using Function and Parameter Passing</h2>
 <input type="number" id="a" placeholder="Enter first number">
 <input type="number" id="b" placeholder="Enter second number">
 <button onclick="calcSum()">Add</button>
 <p id="sumResult"></p>

 <script>
  function sum(x, y) {
   return x + y;
  }
  function calcSum() {
   var n1 = parseFloat(document.getElementById("a").value);
   var n2 = parseFloat(document.getElementById("b").value);
   var res = sum(n1, n2);
   document.getElementById("sumResult").innerText = "Sum: " + res;
  }
 </script>
</body>
</html>
```

OUTPUT:

Add Two Numbers Using Function and Parameter Passing

| 34 | | 46 | | Add |

Sum: 80