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|  | **HTML Classes** |  |
| **PROGRAM:**  <!DOCTYPE html>  <html>  <style>  .city {  background-color: tomato;  color: white;  padding: 10px;  }  .main {  text-align: center;  }  </style>  <body bgcolor="#aaee00">  <h2>Same Class, Different Tag</h2>  <p>Even if the two elements do not have the same tag name, they can have the same class name, and get the same styling:</p>  <h2 class="city main">Paris</h2>  <p class="city">Paris is the capital of France.</p>  <h2 class="city">Tokyo</h2>  <button onclick="myFunction()">Hide elements</button>  <h2 class="city">London</h2>  <p>London is the capital of England.</p>  <script> | | |

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| function myFunction() {  var x = document.getElementsByClassName("city main");  for (var i = 0; i < x.length; i++) {  x[i].style.display = "none";  }  }  </script>  </body>  </html> | | |

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|  | **HTML Iframe and frameset tags** |  |
| **PROGRAM:**  **iframe.html**  <!DOCTYPE html>  <html>  <head>  <title>Example of HTML Frames </title>  </head>  <frameset cols = "30%, 40%, 30%" >  <frame name = "top" src = "tiger.jpg" width=500 height=500/>  <frame name = "main" src = "iframe1.html" />  <frame name = "bottom" src = "natural.jpg" />  </frameset>  </html>  **iframe1.html**  <!DOCTYPE html>  <html>  <head>  <title>Example of Iframe</title>  <body>  <p>IFrame Content goes here</p>  <iframe src="tables.html" height="300" width="400" style="border:4px solid orange;">  </iframe>  <iframe height="300" width="350" src= "form.html" name="iframe\_a" align="right" frameborder="2" marginheight="50" marginwidth="50" scrolling="yes"></iframe>  <p><a href= "list.html" target="iframe\_a">Lists</a></p>  </body>  </html> | | |

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|  | **HTML Head tag** |  |
| **PROGRAM:**  <html>  <head>  <base href="d" target="\_blank">  <style>  h1 {color:red;}  p {color:blue;}  </style>  <meta charset="UTF-8">  <meta name="description" content="Free Web tutorials">  <meta name="keywords" content="HTML,CSS,XML,JavaScript">  <meta name="author" content="John Doe">  <meta name="viewport" content="width=device-width, initial-scale=1.0">  <link rel= stylesheet href="style2.css" type="text/css">  </head>  <body>  <h1>A heading</h1>  <p id="demo">A paragraph.</p>  <script>  document.getElementById("demo").innerHTML = "Hello JavaScript!";  </script>  <a href="formval.html">HTML base Tag</a>  </body>  </html> | | |

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|  | **Creating and Using Image Maps** |  |
| PROGRAM:  <HTML>  <HEAD>  <TITLE>Image Map</TITLE>  </HEAD>  <BODY>  <MAP id = "picture">  <AREA href = "TamilNadu.html" shape = "circle"  coords = "170, 490, 30" alt = "Tamil Nadu" />  <AREA href = "Karnataka.html" shape = "rect"  coords = "115, 390, 150, 450" alt = "Karnataka" />  <AREA href = "AndhraPradesh.html" shape = "poly"  coords = "165, 355, 200, 355, 220, 380, 170, 425, 165,  355" alt = "Andhra Pradesh" />  <AREA href = "Kerala.html" shape = "poly"  coords = "115, 455, 160, 470, 140, 485, 150, 505, 150,  530, 135, 500, 115, 455" alt = "Kerala" />  </MAP>  <IMG src = "India\_map.Jpg" alt = "India" usemap = "#picture" />  </BODY>  </HTML>  **AndhraPradesh.html**  <!-- AndhraPradesh.html --><HTML>  <HEAD>  <TITLE>About Andhra Pradesh</TITLE>  </HEAD>  <BODY>  <CENTER><H1>Andhra Pradesh</H1></CENTER>  <HR>  <B><font color=blue><marquee> KERALA</marquee> </font></b>  <center><img src="andhra-map4.jpg"/></center>  <UL>  <LI>Area : 2,75,068 Sq. Kms</LI>  <LI>Capital : Hyderabad</LI>  <LI>Language : Telugu</LI>  <LI>Population : 7,57,27,541</LI>  </UL>  </BODY>  </HTML> | | |

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| **Karnataka.html**  <!-- Karnataka.html --><HTML>  <HEAD>  <TITLE>About Karnataka</TITLE>  </HEAD>  <BODY>  <CENTER><H1>Karnataka</H1></CENTER>  <HR>  <B><font color=brown><marquee> KARNATAKA </marquee> </font></b>  <center><img src="Map-of-Karnataka.jpg" /></center>  <UL>  <LI>Area : 1,91,791 Sq. Kms</LI>  <LI>Capital : Bangalore</LI>  <LI>Language : Kannada</LI>  <LI>Population : 5,27,33,958</LI>  </UL>  </BODY>  </HTML>  **TamilNadu.html**  <!-- TamilNadu.html --><HTML>  <HEAD>  <TITLE>About Tamil Nadu</TITLE>  </HEAD>  <BODY>  <CENTER><H1>Tamil Nadu</H1></CENTER>  <HR>  <b><font color=brown><marquee> TAMIL NADU</marquee> </font></b></br>  <center><img src="tamilnadu.jpg"/></center>  <UL>  <LI>Area : 1,30,058 Sq. Kms.</LI>  <LI>Capital : Chennai</LI>  <LI>Language : Tamil</LI>  <LI>Population : 6,21,10,839</LI>  </UL>  </BODY>  </HTML> | | |

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| **Kerala.html**  <!-- Kerala.html --><HTML>  <HEAD>  <TITLE>About Kerala</TITLE>  </HEAD>  <BODY>  <CENTER><H1>Kerala</H1></CENTER>  <HR>  <B><font color=blue> <marquee> KERALA</marquee> </font></b>  <center><img src="Kerala-Map.jpg"/></center>  <UL>  <LI>Area : 38,863 Sq. Kms.</LI>  <LI>Capital : Thiruvananthapuram</LI>  <LI>Language : Malayalam</LI>  <LI>Population : 3,18,38,619</LI>  </UL>  </BODY>  </HTML> | | |

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|  | **Cascading Style Sheet** |  |
| **PROGRAM:**  **home.html**  <html>  <head>  <title>Cascading Style Sheets</title>  </head>  <body alink="blue" vlink="brown">  <h1><u><b><font face="Monotype corsiva" color="red">  Different types of Cascading Style Sheets</font> </b></u></h1>  <br />  <font face="Arial"size="6">  <a href ="inline.html" style="text-decoration :none;"> 1. Inline Style Sheet</a><br />  <a href ="embedded.html" style="text-decoration :none;"> 2. Embeded Style Sheet</a><br />  <a href ="external.html" style="text-decoration :none;"> 3. External Style Sheet</a><br />  <a href ="import.html" style="text-decoration :none;"> 4. Imported Style Sheet</a><br /></font>  </body>  </html>  **inline.html**  <html>  <head>  <title>Inline Style Sheet</title>  </head>  <body>  <ol class="decimal">  <h1 style="font-family :Monotype Corsiva ;background-color:antiquewhite ;">  <li> Inline Style Sheet</li></h1>  <h3>  <p style="text-indent :30pt;color:blue;font-family :arial;">  Inine Style is the style attached to one specific element.  The style is specified directly in the start tag as a value of the style attribute well apply  exclusively to this specific element occurrence.  </p></h3>  </ol>  </body>  </html> | | |

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| **external.html**  <html>  <head>  <title>External Style Sheet</title>  <link rel=stylesheet href="style1.css" type="text/css" />  </head>  <body>  <h1>1. External Style Sheet</h1><br />  <h3>  An external style sheet is a template documents/files  containing style info which can be linked with any number  of the documents. This is a very convenient way of formating  the entire site as well as restyling it by editing just one file</h3>  </body>  </html>  **embedded.html**  <html>  <head>  <title>Embedded Style Sheet</title>  <style type="text/css">  ol{list-style-type:decimal}  h1{text-align: left; background:antiquewhite;font-family:monotype corsiva;color:red}  h3{text-align: right; font-family:arial;color:blue}  </style>  </head>  <body>  <ol class="lroman"><h1>  <li>Embedded style sheet</li></h1>  <br />  <h3>  Embedded style is the style attached to one specific document.  The information is specified as a content of the style element  inside the head element and wil apply to the entire documents.  </h3></ol>  </body>  </html> | | |

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| **import.html**  <html>  <head><title>Imported Style Sheet</title>  <link rel= stylesheet href="style2.css" type="text/css">  </head>  <body>  <h1>1. Imported Style Sheet</h1>  <h3> Imported style sheet is a shet that can be imported to another sheet.  This alignes exacting one main sheet containing declarations that apply to  the whle site and partial sheets containing declarations that apply to specific  elements.</h3>  </body>  </html>  **style1.css**  <style type="text/css">  ol{list-style-type:decimal}  h1{text-align: left; background:antiquewhite;font-family:monotype corsiva;color:Green}  h3{text-align: right; font-family:TimesNewRoman;color:Red}  </style>  **style2.css**  <style type="text/css">  ol{list-style-type:decimal}  h1{text-align: left; background:antiquewhite;font-family:monotype corsiva;color:Orange}  h3{text-align: right; font-family:arial;color:Yellow}  </style> | | |

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|  | **ARITHMETIC OPERATION USING JAVASCRIPT** |  |
| PROGRAM:  **Arithjs.html**  <html>  <head>  <title> Arithmetic operations </title>  <script type="text/javascript">  function add()  {  var a,b,c,n1,n2;  n1=f.n1.value;  a=parseInt(n1);  n2=f.n2.value;  b=parseInt(n2);  c=a+b;  alert("Sum is " + c);  }  function sub()  {  var a,b,c,n1,n2;  n1=f.n1.value;  a=parseInt(n1);  n2=f.n2.value;  b=parseInt(n2);  c=a-b;  alert("Difference is " + c);  }  function mul()  {  var a,b,c,n1,n2;  n1=f.n1.value;  a=parseInt(n1);  n2=f.n2.value;  b=parseInt(n2);  c=a\*b;  alert("Product is " + c);  } | | |

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| function div()  {  var a,b,c,n1,n2;  n1=f.n1.value;  a=parseInt(n1);  n2=f.n2.value;  b=parseInt(n2);  c=a/b;  alert("Quotient is " + c);  }  </script>  </head>  <body>  <br>  <br>  <b><center> ARITHMETIC OPERATION </center></b>  <form name="f">  <br><center>  Enter Value1: <input type="text" value=" " name="n1" ><br><br>  Enter Value2: <input type="text" value=" " name="n2" ></center>  <br>  <center>  <br>  <input type="button" value=" ADDITION " onclick = "add()">  <br>  <br>  <input type="button" value="SUBTRACT" onclick = "sub()">  <br>  <br>  <input type="button" value=" MULTIPLY " onclick = "mul()">  <br>  <br>  <input type="button" value=" DIVISION " onclick = "div()">  <br>  </center>  <br>  </form>  </body>  </html> | | |

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|  | Program using VBScript |  |
| **PROGRAM:**  <html>  <head>  <title>Built-in Functions in VBScript</title>  <Script type="Text/vbscript"> sub operation(a)  if a=1 then  msgbox("LowerCase of Given String is "&LCase(st.str.value)) elseif a=2 then  msgbox("UpperCase of Given String is "&UCase(st.str.value)) elseif a=3 then  msgbox("Length of Given String is "&Len(st.str.value)) elseif a=4 then  msgbox("Reverse of Given String is "&StrReverse(st.str.value)) elseif a=5 then  msgbox(Now) elseif a=6 then  msgbox(Date) elseif a=7 then  msgbox("The Log value of the given Number is"&Log(st.num.value)) elseif a=8 then  msgbox("The Sin value of the given Number is"&Sin(st.num.value)) elseif a=9 then  msgbox("The Cos value of the given Number is"&Cos(st.num.value)) elseif a=10 then  msgbox("The Tan value of the given Number is"&Tan(st.num.value))  End if End sub  </Script>  </head>  <body bgcolor=" Beige">  <form name="st">  <h1 align="center">Built-in Functions in VBScript</h1>  <h2>String Functions</h2>  <b>Enter a String:</b>  <input type="text" id="str"><br><br>  <input type=button value="Lower" onclick="operation(1)">  <input type=button value="Higher" onclick="operation(2)">  <input type=button value="Length" onclick="operation(3)">  <input type=button value="Reverse" onclick="operation(4)">  <br/><br/>  <h2>Date/Time Functions</h2>  <input type=button value="Date" onClick="operation(5)">  <input type=button value="Now" onClick="operation(6)">  <h2>Math Functions</h2> | | |

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| <b>Enter a Number:</b>  <input type="text" id="num"><br><br>  <input type=button value="Log" onClick="operation(7)">  <input type=button value="Sin" onClick="operation(8)">  <input type=button value="Cos" onClick="operation(9)">  <input type=button value="Tan" onClick="operation(10)">  </form>  </body>  </html> | | |

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|  | Program to display graphics and image in applet |  |
| **PROGRAM:**  Import java.awt.\*;  import java.applet.\*;  public class Smile extends Applet  {  Image picture;  public void init() {  picture = getImage(getDocumentBase(),"1.jpg");  }  public void paint(Graphics g  {  g.drawImage(picture, 250,250, this);  g.setColor(Color.yellow);  g.fillOval(20,20,200,200);  g.setColor(Color.black);  g.fillOval(80,90,20,20);  g.fillOval(150,90,20,20);  g.setColor(Color.red);  g.fillOval(110,120,20,30);  g.setColor(Color.pink);  g.fillArc(80,160,80,30,175,175);  g.setColor(Color.black);  g.drawString("SMILE",285,120);  }  }  Smile.html  /\*<applet code="Smile.class" width=500 height=300></applet>\*/ | | |

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|  | Program to display image in applet |  |
| **PROGRAM;**  import java.awt.\*;  import java.applet.\*;  public class Sad extends Applet  {  Image picture;  public void init() {  picture = getImage(getDocumentBase(),"1.jpg");  }  public void paint(Graphics g) {  g.drawImage(picture, 250,250, this);  g.setColor(Color.yellow);  g.fillOval(20,20,200,200);  g.setColor(Color.black);  g.fillOval(80,90,20,20);  g.fillOval(150,90,20,20);  g.setColor(Color.blue);  g.fillOval(85,120,2,5);  g.fillOval(155,120,2,5);  g.fillOval(85,130,2,5);  g.fillOval(155,130,2,5);  g.fillOval(85,140,2,5);  g.fillOval(155,140,2,5);  g.setColor(Color.red);  g.fillOval(110,120,20,30);  g.setColor(Color.pink);  g.fillArc(80,160,80,30,-175,-175);  g.setColor(Color.black);  g.drawString("SAD",285,120);  }  }  Sad.html  /\*<applet code="Sad.class" width=500 height=300></applet>\*/ | | |

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|  | Program to create animation in applet |  |
| **PROGRAM:**  AnimationEx.java import java.awt.\*;  import java.applet.\*;  public class AnimationEx extends Applet { Image picture;  public void init() {  picture =getImage(getDocumentBase(),"Jellyfish.jpg");  }  public void paint(Graphics g) { for(int i=0;i<50;i++){ g.drawImage(picture, i,30, this);  try{Thread.sleep(100);}catch(Exception e){}  }  }  }  AnimationEx.html:  /\*<applet code="AnimationEx.class" width=500 height=300></applet>\*/ | | |

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|  | Program for event handling in applet |  |
| **PROGRAM:**  **EventApplet.java**  import java.applet.\*;  import java.awt.\*;  import java.awt.event.\*;  public class EventApplet extends Applet implements ActionListener{ Button b;  TextField tf;  Label tl;  public void init(){ tf=new TextField();  tf.setBounds(30,40,150,20);  tl=new Label();  tl.setBounds(80,70,160,30);  b=new Button("Click");  b.setBounds(80,150,60,50);  add(b);add(tf); add(tl);  b.addActionListener(this);  setLayout(null);  }  public void actionPerformed(ActionEvent e)  {  tl.setText("Welcome" + " " +tf.getText());  }  } EventApplet.html /\* <applet code="EventApplet.class" width="300" height="300"> </applet>\*/ | | |

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