(Web Technology Laboratory)

(VII Semester of B.Tech)

As per the curricullam and syllabus of

Bharath Institute of Higher Education & Research

(Web Technology Laboratory)



ACCREDITED WITH 'A' GRADE BY NAAC

PREPARED BY Dr.S.Chakaravarthi







SCHOOL OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LAB MANUAL

SUBJECT NAME: WEB TECHNOLOGY LAB

SUBJECT CODE: BCS7L2

Regualtion 2015 (2015-2016)

2 | P a g e

BCS7L	.2			WEB	TEC	HNO	LOG	YLAE	BORA	TORY		L	Т	P	C
		Т	otal C	ontact	Hour	s - 30						0	0	3	2
		Pı	Prerequisite –Internet Programming ,Fundamental of Computing and Programming												
	L	Lab Manual Designed by – Dept. of Computer Science and Engineering.													
OBJE	OBJECTIVES														
Demon	Demonstrate the role of languages like HTML, DHTML, CSS, XML, Javascript ASP and protocols in														
the wor	kings	of the	e web	and w	eb app	olicatio	ons.		, -		,	Γ.,		. I	
COUR	SE O	UTC	OMES	5 (CO	s)										
CO1	Dev	velop v	web pa	ages u	sing H	ITML	, DHT	ML a	nd Cas	scading	Styles	sheets			
CO2	Dev	velop v	web pa	ages u	sing H	ITML	, DHT	ML a	nd Cas	scading	Styles	sheets.			
CO3	Dev	velop a	a dyna	mic w	eb pa	ges us	ing Ja	vaScri	ipt (cli	ent side	e progra	mming).		
CO4	Dev	Develop an interactive web applications using ASP.NET.													
CO5	Bui	uild and consume web services													
000	D														
006	Dev	Develop a Program using XML.													
	MAPPING BETWEEN COURSE OUTCOMES & PROGRAM OUTCOMES														
(3/2	2/1 II	NDIC	ATE	S STI	REN	GTH	OF C	ORF	RELA	TION) 3- Hi	gh, 2-	Mediu	m, 1-L	ow
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1			3										2	3	
CO2	2		3		2							2	2	3	
CO3			3										2	3	
CO4			3									2	2	3	
CO5	2				3								2	3	
CO6	1	1 2 2 3													
Categor	·y	Profe	ssion	al Coi	e (PC	C)									
Approv	wal 37th Meeting of Academic Council, May 2015														

LIST OF EXPERIMENTS

- 1. Create a HTML page, which has properly aligned paragraphs with image along with it.
- 2. Write a program to display list of items in different styles.
- 3. Create both client side and server side image maps.
- 4. Create your own style sheets and use them in your web page.,
- 5. Create a form with various fields and appropriate front and validations using any one of thescripting languages.
- 6. Write a program to store the form fields in a database, use any appropriate Server SlideScripting.
- 7. Create a web page using XML.
- 8. Write a program to connect a XML web page to any database engine.

BCS7L2-WEB TECHNOLOGY LABORATORY

LIST OF EXPERIMENTS

- 1. Create a HTML page, which has properly aligned paragraphs with image along with it.
- 2. Write a program to display list of items in different styles.
- 3. Create both client side and server side image maps.
- 4. Create your own style sheets and use them in your web page.
- 5. Create a form with various fields and appropriate front and validations using any one of the scripting languages.
- 6. Write a program to store the form fields in a database, use any appropriate Server Slide Scripting.
- 7. Create a web page using XML.
- 8. Write a program to connect a XML web page to any database engine.

CONTENT

S.NO	NAME OF THE EXPERIMENT	PAGE NO
1	Write a program in create a HTML page, which has properly aligned	5
	paragraphs with image along with it.	
2	Write a Program in to display list of items in different styles.	9
3	Write a Program in to Create both client side and server side image	15
	maps.	
4	Write a Program in to Create your own style sheets and use them in	19
	your web page .	
5	Write a Program in to Create a form with various fields and	23
	appropriate front and validations using any one of the scripting	
	languages .	
6	Write a program to store the form fields in a database, use any appropriate Server Slide Scripting	33
	uppropriate Server Sinde Seripting.	
7	Write a Program Create a web page using XML.	40
8	Write a Program to connect a XML web page to any database engine.	42

EXP NO: 1

CREATE A HTML PAGE

AIM:

Write a Program to create a HTML page, which has properly aligned paragraphs with image along with it .

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Create HTML tags
STEP 3:	Create Forms
STEP 3:	Create radio button and input box
STEP 4:	Execute the form in browser
STEP 5:	Enter the values
STEP 6:	STOP

SOURCE CODE:

<html> <head> <title> Application Form Using HTML </title> </head> <form> <fieldset> <legend><h3>PERSONAL INFORMATION </h3></legend> <imgsrc="C:\Users\BIST\Desktop\person.jpg" alt="Person" style="width:304px;height:228px"; align="right"> First name: <input type="text" name="firstname" placeholder="Enter First name" required>

 Last name: <input type="text" name="lastname" placeholder=" Enter Last Name" required>

 Gender: <input type="radio" name="gender" value="male"> Male <input type="radio" name="gender" value="female"> Female

 Birthday: <input type="datetime-local" name="bdaytime">

> Country :< input list="Country" name="Country"> <datalist id="Country"> <option value="India"> <option value="Japan"> <option value="Australia">

```
<option value="United States">
<option value="United Kingdom">
</datalist>
<br><br>>
E-mail:
<input type="email" name="email"><br><br>
Select your favorite color:
<input type="color" name="favcolor" value="#ff0000"><br><br>
Address: <br/><textarea rows='5' cols='40'></textarea>
</fieldset>
<br>><br>>
<fieldset>
<legend><h3> EDUCATIONAL DETAILS </h3></legend>
Degree :
<select name="degree">
<option value="B.E"> B.E </option>
<option value="M.E">M.E</option>
<option value="PhD">PhD </option>
</select><br>
Certified Courses, any: <textarea rows='5' cols='40'></textarea>
</fieldset>
<br>><br>>
<fieldset>
<legend><h3> WORK EXPERIENCE </h3></legend>
Knowledge in :<input type="checkbox" name="HTML" value="HTML">HTML
<input type="checkbox" name=".NET" value=".NET">.NET
<input type="checkbox" name="JAVA" value="JAVA">JAVA
<input type="checkbox" name="PHP" value="PHP">PHP
<br><br>>
Years of Experience :
<input type="number" name="years" min="0" max="50" step="1" value="0">
</fieldset>
<br>><br>>
<input type="submit" title="Enter the above details and click me" />
</form>
</body>
</html>
```

OUTPUT:

→ C () file:///C:/Users/BIST/Desktop/New%20folder/ex1.html		☆ 🕅 🔳
EDSONAL INFORMATION		
irst name: Ben		
ast name: Henry		
ender: 🖲 Male 🔘 Female		9
rthday: 01/06/1988:	of the	
ountry : Australia		1 PM
mail: benhenry@gmail.com		
elect your favorite color:		
ddress:		
8 Freshwater Place. <u>outhbank</u> VIC Australia 3006.		
		🔺 📭 🖑 T 🕼) 12·19
Application Form Using F ×		
ldress:		
3 Freshwater Place. <u>uthbank</u> VIC Australia 3006.		
DUCATIONAL DETAILS		
egree : PhD 🔻		

-WORK EXPERIENCE

Certified Courses, any:

WORK EAI ERIENCE						
Knowledge in : 🖉 HTML 🖉 .NET 🖉 JAVA 🗭 PHP						
Years of Experience : 9 💠						
Submit						
Enter the above details and click me						
😚 ĉ 😩 🛛 🔕 🖉						

RESULT:

Thus the program to create a HTML page, which has properly aligned paragraphs with image along with it was written, executed and the output was verified successfully.

EXP NO:2 TO DISPLAY LIST OF ITEMS IN DIFFERENT STYLES

AIM:

Write a Program to display list of items in different styles.

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Create HTML tags
STEP 3:	Create Forms
STEP 3:	Create radio button and input box
STEP 4:	Execute the form in browser
STEP 5:	Enter the values
STEP 6:	STOP

SOURCE CODE:

EMBEDDED STYLESHEET

<html> <head> <style> input[type=text], select { width: 100%; padding: 12px 20px; margin: 8px 0; display: inline-block; border: 1px solid #ccc; border-radius: 4px; box-sizing: border-box; } input[type=submit] { width: 100%; background-color: #4CAF50; color: white; padding: 14px 20px;

9 | P a g e

```
margin: 8px 0;
border: none;
border-radius: 4px;
cursor: pointer;
input[type=submit]:hover
background-color: #45a049;
}
div
{
border-radius: 5px;
background-color: #ffff00;
padding: 20px;
}
</style>
</head>
<body>
<h3>Using CSS to style an HTML Form</h3>
<div>
<form>
<label for="fname">First Name</label>
<input type="text" id="fname" name="firstname" placeholder="Your name..">
<label for="lname">Last Name</label>
<input type="text" id="lname" name="lastname" placeholder="Your last name..">
<label for="country">Country</label>
<select id="country" name="country">
<option value="australia">Australia</option>
<option value="canada">Canada</option>
<option value="usa">USA</option>
</select>
<input type="submit" value="Submit">
</form></div></body>
</html>
```

OUTPUT:

🗋 intenal.html		- 0 - ×
$\leftarrow \rightarrow$ C \bigcirc file:	///C:/Users/BIST/Desktop/New%20folder/intenal.html	☆ 🕅 💷 🗄
Using CSS to sty	le an HTML Form	
First Name		
Your name		
Last Name		
Your last name.		
Country		
Australia		
	Submit	

🔺 🍡 🏪 🌗 12:05 PM

SOURCE CODE:

EXTERNAL STYLESHEET

6 😫 🛛 🧿 🖻 📝 🔊

<html> <head> <title> Bharath University </title> k rel="stylesheet" href = "C:\Users\BIST\Desktop\New folder\style.css" type="text/css" /> </head> <body> <div class ="wrapper"> <div class = "heading"> <h1> Bharath University </h1></div> <div class = "container"> < 11 >Home > Departments Contact </div><div class = "content"> Bharath University, also known as Bharath Institute of Higher Education and Research (BIHER) and Bharath Institute of Science and Technology (BIST), is a Deemed University and an Indian institute of higher education in Chennai, the capital of Tamil Nadu, India. It is approved by the University Grants Commission (UGC) and is accredited by the National Assessment and Accreditation Council (NAAC)

with the highest grade of A.

</div>

```
<div class = "sidebar">
Bharath University has won awards in recognition of its academic and research excellence. A few are
listed below.
\langle ul \rangle
It was awarded the "Best Private University of the Year" by World Education Congress for 2014.
The university was awarded the "Best Multi Stream University" in 2014 by ASSOCHAM. 
</div>
<div class = "footer">
Contact us @ Bharath University, Chennai, Tamil Nadu, India.
12.907748°N 80.142163°E
</div>
</div>
</body>
</html
Style.css
.wrapper
{
width:1000px;
background:#ddd;
margin:0 auto 0 auto;
}
.heading
Ł
height: 100px;
background:blue;
padding:20px;
text-align:center;
}
.container ul
list-style:none;
height:50px;
}
.container ul li
{
background:#0fb50f;
width:300px;
border:1px solid white;
height:50px;
line-height:50px;
text-align:center;
float:left;
Color:white;
font-size:20px;
}
.container ulli:hover
{
background-color : orange;
ł
12 | Page
```

```
.content
{
min-height:300px;
background:#f17e6c;
width:400px;
float: left;
}
.sidebar
width:400px;
float:right;
background: #52f1db;
min-height:300px;
}
.footer
{
clear:both;
background:black;
height:40px;
color:white;
text-align:center;
padding:10px;
}
OUTPUT:
                                                                                                                              🖹 Bharath University
                        ×
        C 1 file:///C:/Users/BIST/Desktop/New%20folder/externalcss.html
                                                                                                                               ☆ 💽
                                                                                                                                       Home
                                                               Departments
                                                                                                         Contact
     Bharath University, also known as Bharath Institute of Higher
                                                                                   Bharath University has won awards in recognition of its
     Education and Research (BIHER) and Bharath Institute of
                                                                                    academic and research excellence. A few are listed below.
     Science and Technology (BIST), is a Deemed University and
                                                                                      • It was awarded the "Best Private University of the Year" by World Education Congress for 2014.
     an Indian institute of higher education in Chennai, the capital
     of Tamil Nadu, India. It is approved by the University Grants
                                                                                       · The university was awarded the "Best Multi Stream
     Commission (UGC) and is accredited by the National
                                                                                        University" in 2014 by ASSOCHAM.
     Assessment and Accreditation Council (NAAC) with the
     highest grade of A.
```

Contact us @ Bharath University, Chennai, Tamil Nadu, India. 12.907748°N 80.142163°E

RESULT:

Thus the program to display list of items in different styles was written, executed and the output

was verified successfully.

EXP NO: 3 CREATE BOTH CLIENT SIDE AND SERVER SIDE IMAGE MAPS

AIM:

Write a Program to Create both client side and server side image maps.

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Create map tag
STEP 3:	Using imgsrc specify image
STEP 4:	In body tag write the coding for .
STEP 5:	Give the hyperlink
STEP 6:	Use .map files and CGI script
STEP 7:	Execute the coding
STEP 8:	Stop

SOURCE CODE:


```
<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="Cup of coffee" href="coffee.htm">
</map>
<img src="planets.gif" width="145" height="126" alt="Planets"
usemap="#planetmap">
<map name="planetmap">
 <area shape="rect" coords="0,0,82,126" href="sun.htm" alt="Sun">
 <area shape="circle" coords="90,58,3" href="mercur.htm" alt="Mercury">
 <area shape="circle" coords="124,58,8" href="venus.htm" alt="Venus">
</map>
map {
 display: inline;
}
<img src="orgchart.png" alt="Board of directors and related staff: " usemap="#Map">
<map id="Map" name="Map">
```

```
<area shape="rect" coords="176,14,323,58" href="[...]" alt="Davy Jones: Chairman">[...] <area</pre>
shape="rect" coords="6,138,155,182" href="[...]" alt="Harry H Brown: Marketing Director (reports to
chairman)">[...] </map>
<!DOCTYPE html>
<html>
 <head>
   <title>Image Hyperlink Example</title>
 </head>
 <body>
   Click following link
   <a href = "https://www.tutorialspoint.com" target = "_self">
     <img src = "/images/logo.png" alt = "Tutorials Point" border = "0"/>
   </a>
 </body>
</html>
<!DOCTYPE html>
<html>
 <head>
   <title>ISMAP Hyperlink Example</title>
 </head>
 <body>
   Click following link
   <a href = "/cgi-bin/ismap.cgi" target = "_self">
     <img ismap src = "/images/logo.png" alt = "Tutorials Point" border = "0"/>
   </a>
 </body>
</html>
```

<!DOCTYPE html>

```
<html>
```

```
<head>
```

<title>USEMAP Hyperlink Example</title>

```
<body>
```

```
Search and click the hotspot</md>Search and click the hotspot(img src = /images/html.gif alt = "HTML Map" border = "0" usemap = "#html"/><!-- Create Mappings -->
```

<map name = "html">

<area shape = "circle" coords = "80,80,20"

```
href = "/css/index.htm" alt = "CSS Link" target = "_self" />
```

```
<area shape = "rect" coords = "5,5,40,40" alt = "jQuery Link"
```

```
href = "/jquery/index.htm" target = "_self" />
```

</map>

```
<a href="/cgi-bin/imagemap/user_dir/image.map">
```

```
<img src="/user_dir/image.gif">
```


</body>

</html>

OUTPUT:





RESULT :

Thus the Java program to Create both client side and server side image maps was written, executed and the output was verified successfully.

EXP NO:4 CREATE YOUR OWN STYLE SHEETS AND USE THEM IN YOUR WEB PAGE

AIM:

Write a Program to create your own style sheets and use them in your web page

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Create map tag
STEP 3:	Create style sheet using link rel
STEP 4:	In body tag write the coding for .
STEP 5:	Give the hyperlink
STEP 6:	Write the coding for style.css
STEP 7:	Execute the coding
STEP 8:	Stop

SOURCE CODE :

```
<html>
<head><title> Different types of List </title>
k rel ="stylesheet" href = "C:\Users\BIST\Downloads\style.css" type="text/css" />
</head>
<body>
<div class = "heading"></div>
\langle ul \rangle
<a>Home</a>
<a>About Us</a>
\langle ul \rangle
<a> Achievements </a>
a> Awards </a>
<a> Dean message </a>
<a> HOD message </a>
<a>Courses Offered</a>
<a> B.E </a>
<a> M.E </a>
<a>Ph.D</a>
<a>Contact</a>
18 | Page
```

```
<a> Map </a>
<a> Direction </a>
<a>News</a>
\langle dl \rangle
```

<dt>COMPUTER SCIENCE AND ENGINEERING</dt><bre></dt></bre>

<dd> CSE functions as one of the University Departments having academic autonomy enabling it to frame its own syllabus and curriculum. It offers undergraduate, postgraduate and research programmes in various disciplines of Computer Science & Engineering.

Department also plays host to a number of workshops and student managed Symposiums. Abacus is the official symposium of the Department that sees participants from all over India.</dd> </dl>

<h4> VISION OF THE DEPARTMENT </h4>

 $\langle ol \rangle$

The Department of computer science and engineering is dedicated to center of excellence producing graduates as ethical engineers

innovative researchers

dynamic entrepreneurs

globally competitive technocrats.

<h4> MISION OF THE DEPARTMENT </h4>

 $\langle ol type = "i" \rangle$

To enhance student's soft skill, personality and ethical responsibilities by augmenting in-plant training, value added courses and co curricularactivities.

To facilitate the student as researchers by widening their professional knowledge through continuous learning and innovative projects.

</body>

</html>

Style.css

```
.heading{
height: 100px;
padding:20px;
text-align:center;
font-family: Arial;
background-image:url('https://www.bharathuniv.ac.in/studentcorner/img/logo_new1.png');
background-image:no-repeat;
background-size:cover;
}
body
font-family:Arial;
background-color:white;
}
```

```
19 | Page
```

```
ul
 {
 margin:0px;
padding:0px;
 float:left;
 width:266px;
 height:40px;
 background-color:black;
 opacity: .8;
 line-height : 40px;
 text-align: center;
 font-size:20px;
 margin-right:0px;
 }
 ul li a
 {
 text-decoration: none;
 color:white;
 display:block;
 }
 ul li a:hover
 {
 background-color:green;
 }
 ul li ul li
 {
 display:none;
 }
 ulli:hoverul li
 {
 display:block;}
```

OUTPUT:



RESULT :

Thus the program to your own style sheets and use them in your web page was written, executed and the output was verified successfully.

EXP NO: 5 CREATING A FORM WITH VARIOUS FIELDS

AIM :

To write a Program to Create a form with various fields and appropriate front and validations using any one of the scripting languages .

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Declare and Initialize the Variables
STEP 3:	Create the function validate
STEP 4:	Check the document values
STEP 5:	Validate document form
STEP 6:	Write coding for HTML
STEP 7:	Execute in browser
STEP 8:	Stop

SOURCE CODE:

<html> <head> <title>Sample Registration Form with Javascript Validations</title> <script language="javascript" type="text/javascript"> function validate() { if (document.frm.user.value == "") { alert("Please enter the Name"); document.frm.user.focus(); return false; } if (document.frm.age.value == "") { alert("Please select the Age"); document.frm.age.focus(); return false; } if ((document.frm.s1[0].checked == false) && (document.frm.s1[1].checked == false)) { alert("Please select the Gender"); 22 | Page

```
return false:
if (document.frm.email.value == "")
{
alert("Please enter the email");
document.frm.email.focus();
return false:
}
if (document.frm.pass.value == "")
ł
alert("Please enter the Password");
document.frm.pass.focus();
return false;
}
if ((document.frm.pass.length< 7) && (document.frm.pass.length> 15))
{
alert("Password Should be of length between 7 to 15");
document.frm.pass.focus();
return false;
ł
if (document.frm.phone.value == "")
alert("Please enter the Phone Number");
document.frm.phone.focus();
return false;
}
if (document.frm.address.value == "")
alert("Please enter the Address");
document.frm.address.focus();
return false:
}
if (document.frm.city.value == "")
{
alert("Please enter the city");
document.frm.city.focus();
return false;
}
if (document.frm.state.value == "")
alert("Please enter the state");
document.frm.state.focus();
return false:
}
if (document.frm.country.value == "")
{
alert("Please select the Country");
document.frm.country.focus();
return false;
23 | Page
```

```
}
if (document.frm.agree.checked == "")
alert("Select terms and conditions check box");
return false:
}
else
{
return true;
function Numchk(num)
if (isNaN(num.value))
alert('Entered Value:"' +num.value+ "' has invalid characters. Field accepts only numeric characters');
num.value = "";
}
}
function charchk(char)
{
var letters = /^[A-Za-z]+$/;
if(!char.value.match(letters))
{
alert('Entered Value:"' + char.value+ "' has invalid characters. Field accepts only alphabet characters');
char.value = "";
ł
</script>
</head>
<body bgcolor="pink">
<form name="frm" method="get" action="success.html">
REGISTRATION
FORM
<font color=red>*</font> Indicates Require Field
<br>>
Name<font color="red">*</font>
<tdalign="center">
<input type="text" name="user" title="Name" id="txtUser" onKeyUp="charchk(this)">
24 | Page
```

```
Age<font color="red">*</font>
<tdalign="center">
<select size="1" name="age" style="width: 50%;">
<option value="">---Please Select--</option>
<option value="20">20</option>
<option value="21">21</option>
<option value="22">22</option>
<option value="23">23</option>
<option value="24">24</option>
<option value="25">25</option>
<option value="26">26</option>
<option value="27">27</option>
</select>
Gender<font color="red">*</font>
<tdalign="center">
<input type="radio" name="s1" value="Yes">Male
<input type="radio" name="s1" value="No">Female
Email<font color="red">*</font>
<tdalign="center">:
<input type="email" name="email" title="Email">
25 | Page
```

```
Password<font color="red">*</font>
<tdalign="center">
<input type="password" name="pass" title="password">
Contact Number<font color="red">*</font>
<tdalign="center">
<input type="text" name="phone" title="Phone" onKeyUp="Numchk(this)">
Contact Address<font color="red ">*</font>
<tdalign="center" valign="middle">
<textarea rows="2" cols="35" name="address" style="width: 53%;"></textarea>
City/Town<font color="red ">*</font>
<tdalign="center">
<input type="text " name="city" title="city"onKeyUp="charchk(this)">
State<font color="red">*</font>
<tdalign="center">
<input type="text" name="state" title="state" onKeyUp="charchk(this)">
26 | Page
```

```
Country<font color="red">*</font>
<tdalign="center ">
<select size="1" name="country" style="width: 53%;">
<option value="">---Please Select--</option>
<option value="Australia ">Australia</option>
<option value="india ">india</option>
<option value="italy ">italy</option>
<option value="ireland ">ireland</option>
</select>
<input type="checkbox" name="agree"> I agree terms and conditions
<tdalign="center " colspan="3">
<input type="submit" name="add" value="Submit" onClick="return validate();">
<input type="reset" name="reset" value="Clear">
</form>
</body>
<script>
document.getElementById("footer").innerHTML = "Current Date & Time" + new
Date().toLocaleString();
</script>
</html>
Success.html
<html>
<head><center>Congratulations</center></head>
<body bgcolor="pink">
```

```
27 | Page
```

Your form has been registered successfully We will notify you soon </body> </html>

// Java code for thread creation by extending

// the Thread class

```
class MultithreadingDemo extends Thread {
```

```
public void run()
```

{

try {

// Displaying the thread that is running

System.out.println(

"Thread " + Thread.currentThread().getId()

+ " is running");

}

}

}

}

```
catch (Exception e) {
```

// Throwing an exception

System.out.println("Exception is caught");

OUTPUT:

Sample Registration Forn 🗙			
$\leftrightarrow \rightarrow \mathbf{C}$ (i) file:///C:/Us ²	ers/BIST/Desktop/New%20folder/validations.	html	☆ 🗵 🔳
			_
	I	REGISTRATION FORM	
	* Indicates Require Field		
	Gender*	• Male • Female	
	Email*		
	Password*		
	Contact Number*		
	Contact Address*		
	City/Town*		
	State*		
	Country*	Please Select	
	I agree terms and conditions		
		Submit Clear	
		Current Date & Time28/08/2017, 10:54	4:31
9 6 📰 🛛 🕻			🔺 🍢 🛄 🏟 10:54 AM
C 📰 🛛			🍝 🍢 🎲 🌵 10:54 AM
Sample Registration Form X	RIST/Docktop/New%20foldor/validations		- 🎠 🗊 🕪 1054 AM
C C C C C C.//C://Sample Registration Form ×	ers/BIST/Desktop/New%20folder/validations.	html	▲ 🐂 👘 🕪 1054 AM
Sample Registration Form × → C ① file:///C:/Use	ers/BIST/Desktop/New%20folder/validations. This page says:	html ×	▲ 💦 🐑 🅪 1054 AN
Sample Registration Form × → C [*] ③ file:///C:/Use	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Addres	html ss	 ► ► ► ● ● ● ★ ■
Sample Registration For × → C ① file:///C:/Use	 Image: Constraint of the second second	html ss OK	▲ 隆 💭 10:54 AM
Sample Registration Form × - → C ① file:///C:/Usu	 Image: Constraint of the second second	html ss OK	▲ 🍡 🗊 🕪 1054 AM
C Sample Registration Form × - → C O file:///C:/Us	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Address Name* Age*	html	 ► ► ► ■ ★ ℝ
Sample Registration Forr × - → C ① file:///C:/Usu	 Image: Constraint of the second second	html ss OK 22 V Male Female	 ▶ □ ● 10.54 AM ■ ● ● ★ № ■
 P ample Registration Form × → C ① file:///C:/Usi 	 Image: Second state of the second	html is OK 22 · OK 2 · OK 22 · OK 22 · OK 2 · OK 2 · OK 22 · OK 2 · OK 22 · OK 2 · OK	 ▶ 10:54 AM ■ ■ ★ 10:54 AM
C Sample Registration Form × - → C O file:///C:/Us	 Image: Second state of the second	html ss vistor vistor 22 vistor • Male Female : ben@gmail.com	 ▶ ₽ ● 10:54 AN ■ ■ ★ № ■
Sample Registration Forr → C ① file:///C:/Usu	 Image: Contact Number* 	html ss OK 22 • Male Female : ben@gmail.com ••••••• 9002341556	 ► 🔁 🕪 10:54 AM ► - □ ► ★ 🕅 目
Sample Registration Form × - → C [*] ⊙ file:///C:/Us	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Addres * Indicates Name* Age* Gender* Email* Password* Contact Number* Contact Address*	html ss Z2 V • Male Female : ben@gmail.com	 ► ► ► ●
Sample Registration For → C ① file:///C:/Us	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Addres * Indicates Name* Age* Gender* Email* Password* Contact Number* Contact Address* City/Town*	html ss 22 v • Male Female : ben@gmail.com	 ▶ 10:54 AN ■ ■ ● ★ 10:54 AN
Sample Registration Forn → C ① file:///C:/Us	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Address Name* Age* Gender* Email* Password* Contact Number* Contact Address* City/Town* State*	html ss 22 • • Male Female : ben@gmail.com	 ► ► ► ● ●
Sample Registration Forr → C ③ file:///C:/Us	Contact Address* City/Town* State* Country*	html ss 22 • Male Female : ben@gmail.com • 9002341556 Please Select	 ► ► ► ●
Sample Registration Forn → C ① file:///C./Us	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Address Name* Age* Gender* Email* Password* Contact Number* Contact Address* City/Town* State* Country* I agree terms and conditions	html ss OK 22 • Male Female : ben@gmail.com • 9002341556	 ► ► ► ► ● ► ● ► ● ► ● ► ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
C Sample Registration For Sample Registration For → C ① file:///C:/Us	ers/BIST/Desktop/New%20folder/validations. This page says: Please enter the Address Name* Age* Gender* Email* Password* Contact Number* Contact Address* City/Town* State* Country* I agree terms and conditions	html s UK 0K 22 • Male Female : ben@gmail.com 9002341556	 ► ► ► ● 10:54 AM ● ■ ● ● ● ▲ ■ ● ■ ● ▲ ■ ● ■ ● ▲ ■ ● ■ ● ■ ● ■ <
C Sample Registration For Sample Registration For → C ① file:///C:/Us	 Image: State in the state in th	html ss OK S2 OK OK S2 OK OK S2 OK OK CEar Submit Clear Current Date & Time28/08/2017, 10:54	 ► ► ► ● ●



RESULT :

Thus the program to create a form with various fields and appropriate front and validations using any one of the scripting languages was written, executed and the output was verified successfully.

EXP NO: 6 STORE THE FORM FIELDS IN A DATABASE

AIM :

To write a Program to store the form fields in a database, use any appropriate Server Slide Scripting.

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Declare and Initialize the Variables
STEP 3:	Create the comparedates
STEP 4:	Get the date, month using parseInt
STEP 5:	Compare the dates
STEP 6:	Submit the form
STEP 7:	Execute in program
STEP 8:	Stop

SOURCE CODE:

<html> <head> <title>Compare Dates</title> <Script Language=Javascript> function CompareDates() { var str1 = document.getElementById("fromDate").value; var str2 = document.getElementById("toDate").value; if(str1 == " || str2 ==") { alert("Please fill the date field values."); return false; } var dt1 = parseInt(str1.substring(0,2)); var mon1 = parseInt(str1.substring(3,5)); var yr1 = parseInt(str1.substring(6,10)); var dt2 = parseInt(str2.substring(0,2)); var mon2 = parseInt(str2.substring(3,5)); var yr2 = parseInt(str2.substring(6,10)); var date1 = new Date(yr1, mon1, dt1); var date2 = new Date(yr2, mon2, dt2); if (date2 < date1)**31** | Page

```
alert("'To Date' should be after 'From Date'");
return false;
}
else
{
alert("Submitting ...");
document.form1.submit();
}
}
</Script>
</head>
<body bgcolor="#FFFFdd">
<br>
<br>
<h1 align=center><u>Date Comparison</u></h1><br>
<center>
<form name="form1" method="post" action="">
<label>From Date</label><br />
<input type="text" name="fromDate" id="fromDate" value="" placeholder="dd/MM/yyyy"><br/>type="text" name="fromDate" id="fromDate" value="" placeholder="dd/MM/yyyy"><br/>type="text" name="fromDate" id="fromDate" value="" placeholder="dd/MM/yyyy"><br/>type="text" name="fromDate" value="fromDate" value="fromDate" value="fromDate" value="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="fromDate="
<label>To Date</label><br />
<input type="text" name="toDate" id="toDate" value="" placeholder="dd/MM/yyyy"><br><br><br><br>
<input type="button" value="Compare Dates" onclick="CompareDates()">
</form>
</center>
</body>
</html>
```

OUTPUT :

← → C ① tile:///C:/Users/BIST/Desktop/Dat	teValidation.html	☆ 🕅 🗉 🗄
	Date Comparison	
	From Date dd/MM/yyyy	
	To Date dd/MM/yyyy	
	Compare Dates	
🚱 e 🖀 o 💽 🗹 🗉		🔺 🍡 🖳 🕼 10:41 AM
Compare Dates ×		
← → C (i) file:///C:/Users/BIST/Desktop/Dat		
	teValidation.html	☆ 🕅 💷 🗄
	teValidation.html This page says:	☆ 🕅 🖬 🗄
	teValidation.html This page says: 'To Date' should be after 'From Date'	☆ 🕅 🖩 :
	teValidation.html This page says: 'To Date' should be after 'From Date' OK	☆ 🕅 🖬 :
	teValidation.html This page says: 'To Date' should be after 'From Date' OK From Date 12/07/4000	☆ 🕅 🖬 :
	teValidation.html This page says: 'To Date' should be after 'From Date' From Date 12/02/1990 To Date	☆ 🕅 🖬 :
	teValidation.html This page says: 'To Date' should be after 'From Date' From Date 12/02/1990 To Date 24/04/1979	☆ 🕅 🎟 :
	teValidation.html This page says: 'To Date' should be after 'From Date' From Date 12/02/1990 To Date 24/04/1979 Compare Dates	★ W ■ :
	teValidation.html This page says: 'To Date' should be after 'From Date' From Date 12/02/1990 To Date 24/04/1979 Compare Dates	★ W ■ :
	teValidation.html This page says: × 'To Date' should be after 'From Date' ok From Date 12/02/1990 To Date 24/04/1979 Compare Dates Compare Dates	★ W III :
	teValidation.html This page says: 'To Date' should be after 'From Date' From Date 12/02/1990 To Date 24/04/1979 Compare Dates	
	teValidation.html This page says: × 'To Date' should be after 'From Date' ok Image: From Date 12/02/1990 To Date 24/04/1979 Compare Dates Compare Dates	★ 🕅 🕅 :

Compare Dates ×	Proceed and a second		
\leftarrow \rightarrow C () file:///C:/Users/BIST/Desktop/Date	Validation.html		☆ 🕅 🗉 🗄
	This page says: Submitting	×	
		ок	
	From Date 12/02/1990 To Date		
	24/04/2010		
	Compare Dates		
👌 C 😫 🛛 💽 🖬 💷			🔺 🍡 🏪 🌓 10:39 AM

SOURCE CODE:

```
<?xml-stylesheet href="classic.css"?>
 <ARTICLE>
 <HEADLINE>A Fairytale</HEADLINE>
 <AUTHOR>John Brown</AUTHOR>
 <PARA>
 Once upon a time, in a kingdom called Pansia lived a brave King. He loved to play
 <INSTRUMENT>flute</INSTRUMENT>
 One fine day he called his ministers to hear him play the instrument.
 </PARA>
 </ARTICLE>
 classic.css
 ARTICLE {
 font-family: serif;
 background: white;
 }
 AUTHOR
 font-size: large; margin: 1em 0
 HEADLINE
 font-size: x-large; margin-bottom: 1em
 }
 PARA
 {
 text-indent: 1em; text-align: justify
SOURCE CODE:
 <html>
 <head>
 <script language="JavaScript">
 varmyMainMessage = "Find out Greatest of three numbers using Java Script Validation!!!!";
 varendPosition = 50;
 varstartPosition = 0;
 function mainTextScroller() {
 document.mainForm.mainTextScroller.value=myMainMessage.substring(startPosition, startPosition+) \\
 endPosition);
 startPosition++:
 if (startPosition>endPosition) startPosition = 0;
 setTimeout("mainTextScroller()", 150);
 }
 </script>
 <title>Greatest Number</title>
 </head>
 35 | Page
```

```
<body onLoad="mainTextScroller()">
 <form name="mainForm">
 <center><input type="text" name="mainTextScroller"></center>
 </form>
 <script language="javascript">
 var num1, num2, num3, n1, n2, n3;
 num1 = window.prompt("Enter the first number", "0");
 num2 = window.prompt("Enter the scond number", "0");
 num3 = window.prompt("Enter the third number", "0");
 n1 = parseInt(num1);
 n2 = parseInt(num2);
 n3 = parseInt(num3);
 if (n1 == n2 || n2 == n3 || n3 == n1) {
 window.alert("The Entered values" + n1 + ", " + n2 + ", " + n3 + " has repeated values. Hence
 Reloading the program to get correct value.");
 location.reload();
 }
 else if ((n1 > n2) \&\& (n1 > n3)) {
 document.write("<br><h2>The greatest number is:" + n1);
 }
 else if ((n2 > n1) \&\& (n2 > n3)) {
 document.write("<br><br>><h2>The greatest number is:" + n2);
 }
 else {
 document.write("<br><h2>The greatest number is:" + n3);
} </script></body></html>
```





RESULT :

Thus the program to store the form fields in a database, use any appropriate Server Slide Scripting was written, executed and the output was verified successfully.

EXP NO: 7 CREATE A WEB PAGE USING XML

AIM :

Write a program to create a web page using xml.

ALGORITHM:

- STEP 1: Start the Program
- STEP 2: Create xml style sheet
- STEP 3: Create the classic.css
- STEP 4: Specify font styles
- STEP 5: Specify font family
- STEP 6: Give background colr
- STEP 7: Execute in program
- STEP 8: Stop

SOURCE CODE:

<?xml-stylesheet href="classic.css"?> <ARTICLE> <HEADLINE>A Fairytale</HEADLINE> <AUTHOR>John Brown</AUTHOR> <PARA> Once upon a time, in a kingdom called Pansia lived a brave King. He loved to play <INSTRUMENT>flute</INSTRUMENT> One fine day he called his ministers to hear him play the instrument. </PARA> </ARTICLE> classic.css ARTICLE { font-family: serif; background: white; } AUTHOR ł font-size: large; margin: 1em 0 } HEADLINE 38 | Page

{
font-size: x-large; margin-bottom: 1em
}
PARA
{
text-indent: 1em; text-align: justify
}
INSTRUMENT {
font-style: italic }
OUTPUT:

and a fact that are in the second sec			
C:\Users\BIST\Desktop\exercise.xml	- 0	Search	♀ 6 ☆ 63
A Fairytale John Brown Once yoon a time in a kingdom called Densie lived a brown	Ving He level to play fute One fine day he called hi	ministors to hear him play	the instrument

A FAIIYTALE John Brown Once upon a time, in a kingdom called Pansia lived a brave King. He loved to play flute One fine day he called his ministers to hear him play the instrume



RESULT :

Thus the program to create a web page using xml was written, executed and the output was verified successfully.

Monday, Sep

- 🕪 🍡 🛱

EXP NO:8 CONNECT A XML WEB PAGE TO ANY DATABASE ENGINE

AIM :

Write a program to connect a xml web page to any database engine.

ALGORITHM:

STEP 1:	Start the Program
STEP 2:	Declare and Initialize the Variables
STEP 3:	Create the comparedates
STEP 4:	Get the date, month using parseInt
STEP 5:	Compare the dates
STEP 6:	Submit the form
STEP 7:	Execute in program

STEP 8: Stop

SOURCE CODE:

```
import javax.naming.*;
```

import javax.sql.*;

import java.sql.*;

import oracle.xml.sql.query.*;

public class oraxml

{

public static void main(String args[]) throws SQLException, NamingException

{

```
String tabName = "emp";
```

```
int maxRows = 3;
Context ctx = new InitialContext ();
DataSource ds = (DataSource) ctx.lookup ("MyOra");
Connection conn = ds.getConnection ();
OracleXMLQuery qu = new OracleXMLQuery (
conn, "select EMPNO, ENAME from " + tabName);
qu.setMaxRows (maxRows);
qu.setRowsetTag ("EMPLOYERS");
qu.setRowTag ("PERSON");
String xmlString = qu.getXMLString();
System.out.println (xmlString);
conn.close ();
}
}
C:\white\work\Java\xmlweb_src>javac oraxml.java
C:\white\work\Java\xmlweb_src>java oraxml
<?xml version = '1.0'?>
<EMPLOYERS>
 <PERSON num="1">
   <EMPNO>7369</EMPNO>
   <ENAME>SMITH</ENAME>
 </PERSON>
 <PERSON num="2">
   <EMPNO>7499</EMPNO>
   <ENAME>ALLEN</ENAME>
 </PERSON>
```

```
41 | Page
```

```
<PERSON num="3">
```

```
<EMPNO>7521</EMPNO>
```

<ENAME>WARD</ENAME>

</PERSON>

```
</EMPLOYERS>
```

<web-app>

<taglib>

<taglib-uri>xmlx.tld</taglib-uri>

```
<taglib-location>/WEB-INF/lib/xmlx-tags.jar</taglib-location>
```

</taglib>

</web-app>

```
<?xml version="1.0" ?>
```

```
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
```

<xsl:template match="/">

```
<b>Employer No.</b>
```

Employer Name

<xsl:apply-templates select="EMPLOYERS"/>

</xsl:template>

<rsl:template match="PERSON">

```
<xsl:value-of select="EMPNO"/>
```

<xsl:value-of select="ENAME"/>

</xsl:template>

</xsl:stylesheet>

<% @ taglib uri="xmlx.tld" prefix="x"%>

<HTML>

<HEAD>

<TITLE>:: An XML bridge ::</TITLE>

</HEAD>

<BODY>

<% @page import="java.sql.*"%>

<% @page import="oracle.xml.sql.query.*"%>

<%@page import="oracle.jdbc.*"%>

<%

String tableName = "emp";

int maxRows = 3;

Context ctx = new InitialContext ();

DataSource ds = (DataSource) ctx.lookup ("MyOra");

Connection conn = ds.getConnection ();

OracleXMLQuery qu = new OracleXMLQuery

(conn, "select EMPNO, ENAME from " + tableName);

qu.setMaxRows (maxRows);

qu.setRowsetTag ("EMPLOYERS");

qu.setRowTag ("PERSON");

```
String xmlString = qu.getXMLString ();
```

conn.close ();

%>

<x:xslt stylesheet="html.xsl">

<x:xml>

<%=xmlString%>

</x:xml>

</x:xslt>

</BODY>

</HTML>

OUTPUT:

with which bridge a - microsoft.	Internet Explorer	_101
Edit View Favorites Io	ols Help	1
Back + 🕥 + 💌 😰 .	🏠 🔎 Search 🤺 Favorites 🜒 Media 🍕	3 🗟 - 😓 🖂 🚺
ess 🗿 http://localhost:7001/xr	n/web/index.isp	- 🗗 Go
and some office and second an alter	and a second s	
🔊 Google 🔊 Andex 🔊 G	ioogle Groups	
ම් Google ම් Andex ම් G	ioogle Groups	
Employer No.	ioogle Groups Employer Name	
Employer No. 7369	Employer Name SMITH	
 Google Ялdex В Employer No. 7369 7499 	ioogle Groups Employer Name SMITH ALLEN	

RESULT:

Thus the program for connect a xml web page to any database engine was written, executed and the output was verified successfully.