

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Jnana Sangama, Macche, Belagavi–590018



A
Course Practical Report

Submitted in partial fulfillment for the course
18CS63- Web Technology and its Applications

Submitted by

Sonam Dorji
1HK19CS151

Under the Guidance of
Prof. Sharon M.

2021-2022



Department of Computer Science & Engineering
HKBK COLLEGE of ENGINEERING

(Approved by AICTE & Affiliated with VTU)

22/1, Nagawara, Arabic College Post, Bangalore-45, Karnataka
Email: info@hkbk.edu.in URL: www.hkbk.edu.in



HKBK COLLEGE of ENGINEERING

Nagawara, Bangalore-560 045

Approved by AICTE & Affiliated with VTU

Department of Computer Science and Engineering

Certificate

Certified that the course practical carried out by **Sonam Dorji (1HK19CS151)** is a bona fide student of the Department of Computer Science and Engineering in **HKBK COLLEGE of ENGINEERING**, in partial fulfillment for the course **18CS63-Web Technology and its Applications** during the year **2021–22**.

Marks Obtained = _____/20

Course Faculty

HOD



HKBK COLLEGE of ENGINEERING

Nagawara, Bangalore-560 045

Approved by AICTE & Affiliated with VTU

INDEX

S. No	Date	Name of Experiment	Marks Obtained	Faculty Sign
1.		Design a simple web page template for organizations that has sections for about, services & contact information.		
2.		Design a web page and embed various multimedia features in the page.		
3.		Write an HTML program to Design a timetable and display it in tabular format display the data using a table and style up with CSS.		
4.		Design an employee registration page for an organization using HTML and CSS.		
5.		Write a JavaScript program for mouse events onclick, onmouseover & onmouseout.		
6.		Design a simple user inquiry form in HTML with JavaScript validation		
7		Write a JS program with accessing object methods		
8		Design signup form to validate username, password, phone numbers, etc. using Java Script		
9.		Write a PHP program to create and write into a file.		
10.		Write a PHP program to insert the value into a database and delete a value from the database from a form		
11.		Write an XML program to display student info (name, reg no, grade, mobile number)		
12.		Design a site in WordPress.		

Total = _____ / 20

Experiment 1. Design a simple web page template for organizations that has sections for about, services, & contact information.

Code

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<title>Experiment One</title>
<meta charset="UTF-8">
<link rel="stylesheet" href="layout.css" type="text/css">
</head>
<body>
<div class="wrapper row1">
<header id="header" class="clear">
<div id="hgroup">
<h1><a href="#">Experiment One</a></h1>
<h2>Basic HTML5 Website Template</h2>
</div>
<nav>
<ul>
<li><a href="#">About</a></li>
<li><a href="#">Services</a></li>
<li class="last"><a href="#">Contact Info</a></li>
</ul>
</nav>
</header>
</div>
<!-- content -->
<div class="wrapper row2">
<div id="container" class="clear">
<!-- Slider -->
<section id="slider"><a href="#"></a></section>
<!-- main content -->
<div id="homepage">
<!-- Services -->
<section id="services" class="clear">
<article class="one_third">
<figure>
<figcaption>
<h2>Services</h2>
<p>In nature, nothing is perfect and everything is perfect. Trees can be contorted, bent in weird ways, and they're still beautiful. —Alice Walker</p>
<footer class="more"><a href="#">Read More &raquo;</a></footer>
</figcaption>
</figure>
</article>
<article class="one_third">
<figure>
<figcaption>
<h2>Services</h2>
<p>Forget not that the earth delights to feel your bare feet and the winds long to play with your hair. —Khalil Gibran</p>
<footer class="more"><a href="#">Read More &raquo;</a></footer>
</figcaption>
</figure>
</article>
<article class="one_third lastbox">
<figure>
<figcaption>
<h2>Services</h2>

```

```

<p>Look deep into nature, and then you will understand everything better. —Albert Einstein</p>
<footer class="more"><a href="#">Read More &raquo;</a></footer>
</figcaption>
</figure>
</article>
</section>

<section id="intro" class="last clear">
<article>
<figure>
<figcaption>
<h2>About us</h2>
<p>The words nature and natural are used for all the things that are normally not made by humans. Things like weather, organisms, landforms, celestial bodies and much more are part of nature. Scientists study the way the parts of nature work. Things that have been made by people are said to be man-made or called artifacts.</p>
<footer class="more"><a href="#">Read More &raquo;</a></footer>
</figcaption>
</figure>
</article>
</section>
<!-- / Introduction -->
</div>
<!-- / content body -->
</div>
</div>
<!-- Footer -->
<div class="wrapper row3">
<div id="footer" class="clear">
<!-- Section One -->
<section class="one_quarter">
<h2 class="title">Contact info</h2>
<nav>
<ul>
<li><a href="#">facebook.com</a></li>
<li><a href="#">instagram.com</a></li>
<li><a href="#">twitter.com</a></li>
<li><a href="#">skype.com</a></li>
<li class="last"><a href="#">+91 9087675773</a></li>
</ul>
</nav>
</section>
</div>
</div>
<!-- Copyright -->
<div class="wrapper row4">
<footer id="copyright" class="clear">
<p class="fl_left">Copyright © 2022-sonam- All Rights Reserved - <a href="#">www.WTAR.com</a></p>
<p class="fl_right"><a target="_blank" href="https://www.os-templates.com/" title="Free Website Templates">18CS63 Experiment one</a></p>
</footer>
</div>
</body>
</html>

```

Output

Experiment One
Basic HTML5 Website Template

ABOUT SERVICES CONTACT INFO

*Services*

In nature, nothing is perfect and everything is perfect. Trees can be contorted, bent in weird ways, and they're still beautiful. —Alice Walker

[Read More »](#)*Services*

Forget not that the earth delights to feel your bare feet and the winds long to play with your hair. — Khalil Gibran

[Read More »](#)*Services*

Look deep into nature, and then you will understand everything better. —Albert Einstein

[Read More »](#)

About us

The words nature and natural are used for all the things that are normally not made by humans. Things like weather, organisms, landforms, celestial bodies and much more are part of nature. Scientists study the way the parts of nature work. Things that have been made by people are said to be man-made or called artifacts.

[Read More »](#)

CONTACT INFO

[facebook.com](#)

[instagram.com](#)

[twitter.com](#)

[skype.com](#)

+91 9087675773

Experiment 2. Design a web page and embed various multimedia features in the page.

Code

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
<title>Experiment Two</title>
<meta charset="UTF-8">
<link rel="stylesheet" href="layout.css" type="text/css">
</head>
<body>
<div class="wrapper row1">
<header id="header" class="clear">
<div id="hgroup">
<h1><a href="#">Experiment Two</a></h1>
<h2>Embedding Multimedia</h2>
</div>
<nav>
<ul>
<li><a href="#">Multimedia</a></li>
<li class="last"><a href="#">Contact Info</a></li>
</ul>
</nav>
</header>
</div>
<!-- content -->
<div class="wrapper row2">
<div id="container" class="clear">
<!-- main content -->
<div id="homepage">
<section id="intro" class="last clear">
<figure>
<audio src="./test.mp3" controls></audio>
<figcaption>
<h2>Audio</h2>
<p>Click play button to play audio</p>
<footer class="more"><a href="#">Read More &raquo;</a></footer>
</figcaption>
</figure>
</section>
<section id="intro" class="last clear">
<figure>
<video src=".test.mp4" controls></video>
<figcaption>
<h2>Video</h2>
<p>Click play button to play video</p>
<footer class="more"><a href="#">Read More &raquo;</a></footer>
</figcaption>
</figure>
</section>
<!-- / Introduction -->
</div>
<!-- / content body -->
</div>
</div>
<!-- Footer -->
<div class="wrapper row3">
<div id="footer" class="clear">
<!-- Section One -->

```

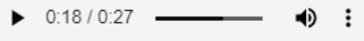
```
<section class="one_quarter">
  <h2 class="title">Contact info</h2>
  <nav>
    <ul>
      <li><a href="#">facebook.com</a></li>
      <li><a href="#">instagram.com</a></li>
      <li><a href="#">twitter.com</a></li>
      <li><a href="#">skype.com</a></li>
      <li class="last"><a href="#">+91 9087675773</a></li>
    </ul>
  </nav>
</section>
</div>
</div>
<!-- Copyright -->
<div class="wrapper row4">
  <footer id="copyright" class="clear">
    <p class="fl_left">Copyright &copy; 2022-sonam- All Rights Reserved -www.WTAR.com</p>
    <p class="fl_right"><a target="_blank" title="Free Website Templates">18CS63 Experiment Two</a></p>
  </footer>
</div>
</body>
</html>
```

Output

Experiment Two

Embedding Multimedia

MULTIMEDIA CONTACT INFO



Audio

Click play button to play audio

[Read More »](#)



Video

Click play button to play video

[Read More »](#)

CONTACT INFO

[facebook.com](#)

[instagram.com](#)

[twitter.com](#)

[skype.com](#)

[+91 9087675773](#)

Copyright © 2022-sonam- All Rights Reserved - [www.WTAR.com](#)

18CS63 Experiment Two

Experiment 3. Write a HTML program to Design a timetable and display it in tabular format display the data using table and style up with CSS

Code

```
<!DOCTYPE html>
<html>

<body>
<table border="5" cellspacing="0" align="center">
<caption><h1> C Sec Timetable</h1></caption>
<tr>
<td align="center" height="50"
 width="100"><br>
<b>Day/Period</b><br>
</td>
<td align="center" height="50"
 width="130">
<b>I<br>(8:30-9:30)</b>
</td>
<td align="center" height="50"
 width="130">
<b>II<br>(8:30-9:30)</b>
</td>
<td align="center" height="50"
 width="130">
<b>III<br>(8:30-9:30)</b>
</td>
<td align="center" height="50"
 width="130">
<b>IV<br>(8:30-9:30)</b>
</td>
<td align="center" height="50"
 width="130">
<b>V<br>(8:30-9:30)</b>
</td>
<td align="center" height="50"
 width="130">
<b>VI<br>(8:30-9:30)</b>
</td>
<td align="center" height="50"
 width="130">
<b>VII<br>(8:30-9:30)</b>
</td>
</tr>
<tr>
<td align="center" height="50">
<b>Monday</b></td>
<td colspan="2" align="center"
 height="50">SSL/CGL/MADL<br>(C1/C2/C3)
</td>
<td rowspan="5" align="center" height="50">
<h2>T<br>E<br>A<br>B<br>R<br>E<br>A<br>K</h2>
```

```

</td>
<td align="center" height="50">18CS62<br>(DL)</td>
    <td align="center" height="50">18CS63<br>(SH)</td>
    <td rowspan="5" align="center" height="50">
        <h2>L<br>U<br>N<br>C<br>H<br> <br>B<br>R<br>E<br>A<br>K</h2>
    </td>
        <td align="center" height="50">18CS64(X)<br>(VI,BA,SS,SP)</td>
        <td align="center" height="50">18CS62<br>(DL)</td>
        <td align="center" height="50">18CGL67TT<br>(PT/SG)</td>
    </tr>
<tr>
    <td align="center" height="50">
        <b>Tuesday</b>
    </td>
    <td align="center" height="50">18CS61<br>(KK)</td>
        <td align="center" height="50">18CS63<br>(SH)</td>
        <td colspan="2" align="center" height="50">SSL/CGL/MADL<br>(C2/C3/C1)
    </td>
        <td align="center" height="50">18CS64(X)<br>(VI,BA,SS,SP)</td>
        <td colspan="2" align="center" height="50">18CS65X<br>
    </td>
</tr>
<tr>
    <td align="center" height="50">
        <b>Wednesday</b>
    </td>
    <td align="center" height="50">18CS62<br>(DL)</td>
    <td align="center" height="50">18CS61<br>(KK)</td>
        <td align="center" height="50">18CS62<br>(DL)</td>
        <td align="center" height="50">18CS63<br>(SH)</td>
    <td align="center" height="50">18CS61<br>(KK)</td>
        <td align="center" height="50">18CS63<br>(SH)</td>
        <td align="center" height="50">18SSL66TT<br>(KK/RK)</td>
    </td>
</tr>
<tr>
    <td align="center" height="50">
        <b>Thursday</b>
    </td>
    <td colspan="2" align="center" height="50">18CS65X<br>
    </td>
        <td colspan="2" align="center" height="50">SST<br>
    </td>
    <td align="center" height="50">18CS61<br>(KK)</td>
        <td colspan="2" align="center" height="50">PRE PLACEMENT<br>TRAINING(SH)</td>
    </tr>
<tr>
    <td align="center" height="50">
        <b>Friday</b>
    </td>
    <td align="center" height="50">18CS64(X)<br>(VI,BA,SS,SP)</td>
        <td align="center" height="50">18CS63<br>(SH)</td>
        <td align="center" height="50">18CS62<br>(DL)</td>
    <td align="center" height="50">18CS61<br>(KK)</td>
        <td align="center" height="50">18CS64(X)<br>(VI,BA,SS,SP)</td>
        <td colspan="2" align="center" height="50">SSL/CGL/MADL<br>(C3/C1/C2)
    </td>
</tr>

```

```

</tr>
<tr>
<td align="center" height="50">
<b>Saturday</b>
</td>
<td colspan="9" align="center" height="50">As Per Calender Of Events</td>
</tr>
</table>
</body>

</html>

```

Output



C Sec Timetable

Day/Period	I (8:30-9:30)	II (8:30-9:30)	(8:30-9:30)	III (8:30-9:30)	IV (8:30-9:30)	(8:30-9:30)	V (8:30-9:30)	VI (8:30-9:30)	VII (8:30-9:30)		
Monday	SSL/CGL/MADL (C1/C2/C3)		T E A B R E A K	18CS62 (DL)	18CS63 (SH)	L U N C H	18CS64(X) (VL,BA,SS,SP)	18CS62 (DL)	18CGL67TT (PT/SG)		
Tuesday	18CS61 (KK)	18CS63 (SH)		SSL/CGL/MADL (C2/C3/C1)			18CS64(X) (VL,BA,SS,SP)	18CS65X			
Wednesday	18CS62 (DL)	18CS61 (KK)		18CS62 (DL)	18CS63 (SH)		18CS61 (KK)	18CS63 (SH)	18SSL66TT (KK/RK)		
Thursday	18CS65X			SST			18CS61 (KK)	PRE PLACEMENT TRAINING(SH)			
Friday	18CS64(X) (VL,BA,SS,SP)	18CS63 (SH)		18CS62 (DL)	18CS61 (KK)		18CS64(X) (VL,BA,SS,SP)	SSL/CGL/MADL (C3/C1/C2)			
Saturday	As Per Calender Of Events										

]

Experiment 4. Design an employee registration page for an organisation using HTML and CSS.

Code

```
<!DOCTYPE html>
<html lang="en-us">
  <head>
    <meta charset="UTF-8">
    <title>Experiment Four</title>
    <link rel="stylesheet" href="layout.css">
  </head>

  <body>
    <h1>Employee Registration Form</h1>
    <div class="container">
      <div class="row">
        <div class="col-10">
          <label for="fname">First Name:</label>
        </div>
        <div class="col-90">
          <input type="text" id="fname" name="firstname" placeholder="Enter your first name">
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="lname">Last Name:</label>
        </div>
        <div class="col-90">
          <input type="text" id="lname" name="lastname" placeholder="Enter your last name">
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="email">Email:</label>
        </div>
        <div class="col-90">
          <input type="email" id="email" name="email" placeholder="It should contain @,.">
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="mobile">Mobile:</label>
        </div>
        <div class="col-90">
          <input type="tel" id="mobile" name="mobile" placeholder="only 10 digits are allowed">
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="gender" required>Gender:</label>
        </div>
        <div class="col-90">
          <input type="radio" id="male" name="gender" value="male"/>Male
          <input type="radio" id="female" name="gender" value="female"/>Female
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="dob">Date Of Birth:</label>
        </div>
      </div>
    </div>
  </body>

```

```

<div class="col-90">
    <input type="Date" id="dob" name="dob">
</div>
</div>
<div class="row">
    <div class="col-10">
        <label for="address">Address:</label>
    </div>
    <div class="col-90">
        <textarea name="address" id="address" cols="30" rows="10"></textarea>
    </div>
</div>
<div class="row">
    <div class="col-10">
        <label for="city">City:</label>
    </div>
    <div class="col-90">
        <input type="text" id="city" name="city" maxlength="10">
    </div>
</div>
<div class="row">
    <div class="col-10">
        <label for="pincode">Area PIN:</label>
    </div>
    <div class="col-90">
        <input type="number" id="pin" name="pin" maxlength="6">
    </div>
</div>
<div class="row">
    <div class="col-10">
        <label for="state">State:</label>
    </div>
    <div class="col-90">
        <input type="text" id="state" name="state">
    </div>
</div>
<div class="row">
    <div class="col-10">
        <label for="qualification" required>Qualification:</label>
    </div>
    <div class="col-90">
        <select name="qualification" id="qualification">
            <option value="">Select Qualification:</option>
            <option value="Graduation">Graduation</option>
            <option value="BTech.">BTech.</option>
            <option value="MTech.">MTech.</option>
            <option value="MCA">MCA</option>
            <option value="BCA">BCA</option>
        </select>
    </div>
</div>
<div class="row">
    <div class="col-10">
        <label for="specialization">Specialization:</label>
    </div>
    <div class="col-90">
        <input type="checkbox" class="specialization" id="cs" name="specialization[]" value="Computer Science">Computer
Science<br/>
        <input type="checkbox" class="specialization" id="it" name="specialization[]" value="Information
Technology">Information Technology<br/>
        <input type="checkbox" class="specialization" id="ca" name="specialization[]" value="Computer
Architecture">Computer Architecture<br/>
    </div>
</div>

```

```

<input type="checkbox" class="specialization" id="tc" name="specialization[]" value="Tele Communication">Tele
Communication<br/>
</div>
</div>
<div class="row">
<div class="col-10">
<label for="password">Password:</label>
</div>
<div class="col-90">
<input type="password" id="password" name="password" maxlength="8">
</div>
</div>
<div class="row">
<input type="submit" value="Registered">
</div>
</div>
</body>
</html>

```

Output

Employee Registration Form

First Name:	Baskar
Last Name:	Rao
Email:	1hk19cs151@hkbk.edu.in
Mobile:	8091784779
Gender:	<input checked="" type="radio"/> Male <input type="radio"/> Female
Date Of Birth:	20-03-1999
Address:	#43, 4th Cross, Nagawara
City:	Bangalore
Area PIN:	560045
State:	Karnataka
Qualification:	BTech.
Specialization:	<input checked="" type="checkbox"/> Computer Science <input type="checkbox"/> Information Technology <input type="checkbox"/> Computer Architecture <input type="checkbox"/> Tele Communication
Password:
<input type="button" value="Registered"/>	

Experiment 5. Write a javascript program for mouse events onclick, onmouseover & onmouseout.

Code

```

<!DOCTYPE html>
<html>
<head>
<title> Experiment Five</title>
<style>
div {
    width: 100px;
    height: 100px;
    border: 1px solid black;
    margin: 10px;
    float: left;
    padding: 30px;
    text-align: center;
    background-color: lightgray;
}

p {
    background-color: white;
}
</style>
</head>
<body>

<h3>Javascript Snipet for onclick, onmouseout and onmouseover events.</h3>

<p>The onmousemove event occurs every time the mouse pointer is clicked on the div element.</p>
<p>The mouseenter event only occurs when the mouse moves out of the div element. </p>
<p>The onmouseover event occurs when the mouse pointer enters the div element, and its child elements (p and span).</p>

<div onclick="myMoveFunction()">
    <p>onmousemove: <br> <span id="demo">Click me!</span></p>
</div>

<div onmouseout="myEnterFunction()">
    <p>onmouseenter: <br> <span id="demo2">Mouse out of me!</span></p>
</div>

<div onmouseover="myOverFunction()">
    <p>onmouseover: <br> <span id="demo3">Mouse over me!</span></p>
</div>

<script>
var x = 0;
var y = 0;
var z = 0;

function myMoveFunction() {
    document.getElementById("demo").innerHTML = z+=1;
}

function myEnterFunction() {
    document.getElementById("demo2").innerHTML = x+=1;
}

function myOverFunction() {
    document.getElementById("demo3").innerHTML = y+=1;
}

```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

Output

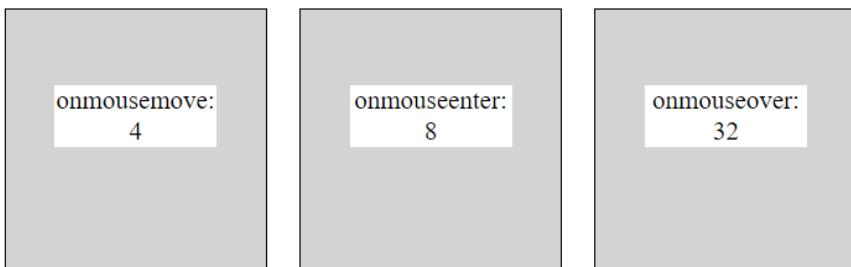


Javascript Snippet for onclick, onmouseout and onmouseover events.

The onmousemove event occurs every time the mouse pointer is clicked on the div element.

The mouseenter event only occurs when the mouse moves out of the div element.

The onmouseover event occurs when the mouse pointer enters the div element, and its child elements (p and span).



Experiment 6. Design a simple user enquiry form in html with java script validation.

Code

```

<html>
<head>
<script>
function Sonam() {
    var name =document.forms.RegForm.Name.value;
    var email =document.forms.RegForm.EMail.value;
    var phone =document.forms.RegForm.Telephone.value;
    var what =document.forms.RegForm.Subject.value;
    var password = document.forms.RegForm.Password.value;
    var address =document.forms.RegForm.Address.value;
    var regEmail=/^\w+([.-]?\w+)*@\w+([.-]?\w+)*(\.\w{2,3})+$/;
    var regPhone=/^\d{10}$/;
    var regName = /\d+$/g;
    if (name == "" || regName.test(name)) {
        window.alert("Please enter your name properly.");
        name.focus();
        return false;
    }
    if (address == "") {
        window.alert("Please enter your address.");
        address.focus();
        return false;
    }
    if (email == "" || !regEmail.test(email)) {
        window.alert("Please enter a valid e-mail address.");
        email.focus();
        return false;
    }
    if (password == "") {
        alert("Please enter your password");
        password.focus();
        return false;
    }
    if(password.length <6){
        alert("Password should be atleast 6 character long");
        password.focus();
        return false;
    }
    if (phone == "" || !regPhone.test(phone)) {
        alert("Please enter valid phone number.");
        phone.focus();
        return false;
    }
    if (what.selectedIndex == -1) {
        alert("Please enter your course.");
        what.focus();
        return false;
    }
    return true;
}
</script>
<style>
div {
    box-sizing: border-box;
    width: 100%;
    border: 100px solid black;

```

```
float: left;
align-content: center;
align-items: center;
}
form {
    margin: 0 auto;
    width: 600px;
}
</style>
</head>
<body>
    <h1 style="text-align: center;">REGISTRATION FORM</h1>
    <form name="RegForm" onsubmit="return Sonam()" method="post">
        <p>Name: <input type="text" size="65" name="Name" /></p><br />
        <p>Address: <input type="text" size="65" name="Address" /></p><br />
        <p>E-mail Address: <input type="text" size="65" name="EMail" /></p><br />
        <p>Password: <input type="text" size="65" name="Password" /></p><br />
        <p>Telephone: <input type="text" size="65" name="Telephone" /></p><br />
        <p>SELECT YOUR COURSE
            <select type="text" value="" name="Subject">
                <option>BTECH</option>
                <option>BBA</option>
                <option>BCA</option>
                <option>B.COM</option>
            </select>
        </p><br />
        <p>Comments: <textarea cols="55" name="Comment" /></textarea></p>
        <p>
            <input type="submit" value="send" name="Submit" />
            <input type="reset" value="Reset" name="Reset" />
        </p>
    </form>
</body>
</html>
```

Output

The screenshot shows a web browser window titled "Six.html" with the URL "C:/Users/Lobsang/Desktop/report/report/Six....". The browser has a "Paused" status indicator. A modal dialog box is open, displaying the message "This page says Please enter a valid e-mail address." over a partially visible form field labeled "Name: Son". Below the dialog, there is a text input field containing "Address: Nagawara". Further down the page, there is a text input field for "E-mail Address" containing "1hk19cs151hkbk.edu.in". Below these fields is a password input field labeled "Password: [redacted]". Further down is a telephone input field labeled "Telephone: [redacted]". A dropdown menu labeled "SELECT YOUR COURSE" is set to "BTECH". At the bottom left are two buttons: "send" and "Reset". To the right of the "send" button is a large text input field labeled "Comments: [redacted]" with a character count indicator "16".

This page says
Please enter a valid e-mail address.

Name: Son

Address: Nagawara

E-mail Address: 1hk19cs151hkbk.edu.in

Password: [redacted]

Telephone: [redacted]

SELECT YOUR COURSE BTECH

Comments: [redacted] 16

send Reset

Experiment 7. Write a js program with accessing object methods.

Code

```
<!DOCTYPE html>
<html>
<head>
<title>Experiment Seven</title>
<body>

<h2>JavaScript Objects</h2>
<p>Creating and using an object method.</p>
<p>A method is actually a function definition stored as a property value.</p>

<p id="demo"></p>

<script>
const person = {
  firstName: "Sonam",
  lastName: "Dorji",
  id: "1hk19cs151",
  fullName: function() {
    return this.firstName + " " + this.lastName;
  }
};

document.getElementById("demo").innerHTML = person.fullName();
</script>
</body>
</html>
```

Output



JavaScript Objects

Creating and using an object method.

A method is actually a function definition stored as a property value.

Sonam Dorji

Experiment 8. Design signup form to validate username, password, and phone numbers etc using Java script.

Html Code

```
<!DOCTYPE html>
<html>

<head>
<meta charset="utf-8">
<title>Experiment Eight</title>
<link rel="stylesheet" href="style.css">
</head>

<body>
<div class="row">
<div class="heading">
<h1>Let's talk</h1>
<p>Think you have what it takes? Shows us.</p>
</div>
</div>
<div class="row">
<div class="p-information">
<h3>1. Personal information</h3>
<hr>
</div>
</div>
<form method="post">
<div class="row">
<div class="col-1">
<input type="text" placeholder="Full name*" class="full-name" required pattern="^[a-z]{2,}(\s[a-z]{2,})+>
<input type="email" placeholder="Email*" id="email" required>
<input type="text" placeholder="Re-enter email*" id="reEmail" required>
</div>
<div class="col-2">
<input type="tel" placeholder="Phone*" class="phone" required pattern="^(\+|0)\d{9,12}$">
</div>
</div>
<div class="row address">
<input type="text" placeholder="Address*>
<input type="text">
</div>
<div class="row">
<div class="city-info">
<div class="col-city">
<input type="text" placeholder="City*>
</div>
<div class="col-state">
<input type="text" placeholder="State*>
</div>
<div class="col-country">
<input type="text" placeholder="Country/Region*>
</div>
<div class="col-zip">
<input type="text" placeholder="Zip/Postal code*>
</div>
</div>
</div>
<div class="row">
<input type="text" placeholder="How did you hear about us" class="how-hear">
</div>
```

```

<div class="row">
  <input type="submit" value="Submit">
</div>
</form>

<script type="text/javascript" src="form.js"></script>
</body>

</html>

```

Form.js

```

const email = document.getElementById('email');
const reEmail = document.getElementById('reEmail');
let id = 0;

//*****validation*****
reEmail.addEventListener('input', (e) => {
  if (reEmail.value !== email.value) {
    reEmail.setCustomValidity("email doesnot match");
  } else {
    reEmail.setCustomValidity("");
  }
});

```

Style.css

```

* {
  margin: 0;
  padding: 0;
}

body {
  background-color: #454e57;
  font-family: sans-serif;
}

.heading {
  text-align: center;
  color: #fbffff;
  margin-top: 15px;
}

.heading p {
  padding-top: 10px;
}

.row {
  width: 60%;
  margin: 0 auto;
}

.col-1 {
  width: 80%;
  display: inline-block;
}

.col-2 {
  height: 100%;
}

```

```
width: 19%;  
display: inline-block;  
}  
  
input[type=text], input[type=email] {  
border: none;  
width: 100%;  
border-bottom: 2px solid #989fa7;  
background-color: #454e57;  
padding-top: 30px;  
color: white;  
}  
  
input[type=text]:focus, input[type=email]:focus {  
outline: none;  
}  
  
input[type=tel] {  
border: none;  
width: 100%;  
border-bottom: 2px solid #989fa7;  
background-color: #454e57;  
margin-bottom: 89px;  
float: right;  
color: white;  
outline: none;  
}  
  
.address {  
padding-top: 20px;  
}  
  
.city-info {  
display: inline-block;  
width: 100%;  
}  
  
.col-city {  
width: 24%;  
display: inline-block;  
margin-right: 8px;  
}  
  
.col-state {  
width: 24%;  
display: inline-block;  
margin-right: 8px;  
}  
  
.col-country {  
width: 24%;  
display: inline-block;  
margin-right: 8px;  
}  
  
.col-zip {  
width: 24%;  
display: inline-block;  
}  
  
.how-hear {  
margin-top: 20px;
```

```
}
```

```
.row h5 {  
margin: 30px 0 20px 0;  
color: #fbffff;  
}
```

```
.primary-design {  
visibility: hidden;  
}
```

```
*****js*****
```

```
.deleteSign {  
display: none;  
}
```

Output

The screenshot shows a web browser window with the title 'Experiment Eight'. The URL bar indicates the page is 'C:/Users/Lobsang/Desktop/report/report/eight.html'. The main content area has a dark background with white text. At the top, it says 'Let's talk' and 'Think you have what it takes? Shows us.' Below this, there is a section titled '1. Personal information'.

The form fields include:

- First Name: baskar rao
- Last Name: 08091784778
- Email: 1hk19cs151@hkbk.edu.in
- Address: 1hk19cs151@hkbk.edu.in
- Address: #34, Nagwara
- City: Bangalore
- State: Karnataka
- Pincode: Bangalore
- Pincode: 560045
- Category: Online
- Action button: Submit

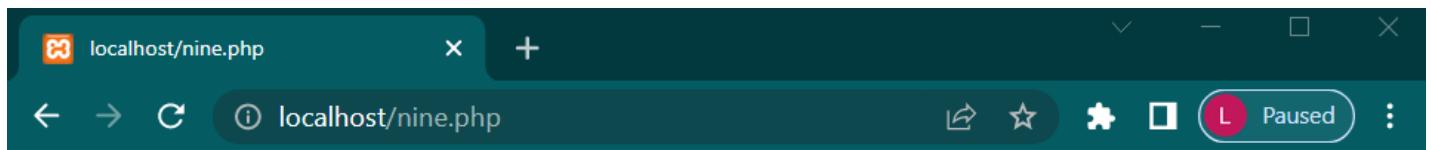
A validation message 'email doesnot match' is displayed next to the address field, indicating an error. The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with icons for file operations.

Experiment 9. Write a PHP program to create and write in to a file.

Code

```
<?php  
$myfile = fopen("newfile.txt", "w") or die("Unable to open file!");  
$txt = "Experiment nine\n";  
fwrite($myfile, $txt);  
fclose($myfile);  
$myfile = fopen("newfile.txt", "r") or die("Unable to open file!");  
echo fread($myfile,filesize("newfile.txt"));  
fclose($myfile);  
?>
```

Output



Experiment nine

Experiment 10. Write a PHP program to insert the value into a database and delete a value from the database from a form.

Database.sql

```
create database ten;
use ten;
CREATE TABLE `users` (
  `F_id` int(11) NOT NULL,
  `name` varchar(100) NOT NULL,
  `subject` varchar(30) NOT NULL,
  `semester` int(3) NOT NULL,
  `section` char NOT NULL,
  `year` int NOT NULL,
  PRIMARY KEY (`F_id`)
);
```

Config.php

```
<?php
$DbH = 'localhost';
$DbN = 'ten';
$DbU = 'root';
$DbP = '';
$mysql = mysqli_connect($DbH, $DbU, $DbP, $DbN) or die("cant connect");
?>
```

Index.php

```
<?php
//including the database connection file
include_once("config.php");
$result = mysqli_query($mysql, "SELECT * FROM users ORDER BY F_id DESC"); // using mysqli_query instead
?>
<html>
<head>
    <title>Homepage</title>
</head>
<body>
<a href="add.html">Add New Data</a><br/><br/>
<table width='80%' border=0>
<tr bgcolor="#CCCCCC">
    <td>F_id</td>
    <td>Name</td>
    <td>Subject</td>
    <td>Semester</td>
    <td>Section</td>
    <td>Year</td>
</tr>
<?php
while($res = mysqli_fetch_array($result)) {
    echo "<tr>";
    echo "<td>".$res['F_id']."</td>";
    echo "<td>".$res['name']."</td>";
    echo "<td>".$res['subject']."</td>";
    echo "<td>".$res['semester']."</td>";
    echo "<td>".$res['section']."</td>";
    echo "<td>".$res['year']."</td>";
    echo "<td><a href=\"delete.php?F_id=$res[F_id]\" onClick=\"return confirm('Are you sure you want to delete?')\">Delete</a></td>";
}
?>
```

```

</table>
</body>
</html>
```

Add.php

```

<html>
<head>
    <title>Add Data</title>
</head>
<body>
<?php
//including the database connection file
include_once("config.php");
if(isset($_POST['Submit'])) {
    $F_id = mysqli_real_escape_string($mysqli, $_POST['F_id']);
    $name = mysqli_real_escape_string($mysqli, $_POST['name']);
    $subject = mysqli_real_escape_string($mysqli, $_POST['subject']);
    $semester = mysqli_real_escape_string($mysqli, $_POST['semester']);
    $section = mysqli_real_escape_string($mysqli, $_POST['section']);
    $year = mysqli_real_escape_string($mysqli, $_POST['year']);
    // checking empty fields
    if(empty($name) || empty($F_id) || empty($subject) || empty($semester) || empty($section) || empty($year)) {

        if(empty($F_id)) {
            echo "<font color='red'>F_id field is empty.</font><br/>";
        }
        if(empty($name)) {
            echo "<font color='red'>Name field is empty.</font><br/>";
        }
        if(empty($subject)) {
            echo "<font color='red'>Subject field is empty.</font><br/>";
        }
        if(empty($semester)) {
            echo "<font color='red'>Semester field is empty.</font><br/>";
        }
        if(empty($section)) {
            echo "<font color='red'>Section field is empty.</font><br/>";
        }
        if(empty($year)) {
            echo "<font color='red'>Year field is empty.</font><br/>";
        }
        //link to the previous page
        echo "<br/><a href='javascript:self.history.back();'>Go Back</a>";
    } else {
        // if all the fields are filled (not empty)

        //insert data to database
        $result = mysqli_query($mysqli, "INSERT INTO users(F_id,name,subject,semester,section,year)
VALUES('$F_id','$name','$subject','$semester','$section','$year')");

        //display success message
        echo "<font color='green'>Data added successfully.</font>";
        echo "<br/><a href='index.php'>View Result</a>";
    }
?>
</body>
</html>
```

Add.php

```
<html>
```

```

<head>
    <title>Add Data</title>
</head>
<body>
    <a href="index.php">Home</a>
    <br/><br/>
    <form action="add.php" method="post" name="form1">
        <table width="25%" border="0">
            <tr>
                <td>F_id</td>
                <td><input type="text" name="F_id"></td>
            </tr>
            <tr>
                <td>Name</td>
                <td><input type="text" name="name"></td>
            </tr>
            <tr>
                <td>Subject</td>
                <td><input type="text" name="subject"></td>
            </tr>
            <tr>
                <td>Semester</td>
                <td><input type="text" name="semester"></td>
            </tr>
            <tr>
                <td>Section</td>
                <td><input type="text" name="section"></td>
            </tr>
            <tr>
                <td>Year</td>
                <td><input type="text" name="year"></td>
            </tr>
            <tr>
                <td></td>
                <td><input type="submit" name="Submit" value="Add"></td>
            </tr>
        </table>
    </form>
</body>
</html>

```

Delete.php

```

<?php
//including the database connection file
include("config.php");

//getting id of the data from url
$F_id = $_GET['F_id'];

//deleting the row from table
$result = mysqli_query($mysql, "DELETE FROM users WHERE F_id=$F_id");

//redirecting to the display page (index.php in our case)
header("Location:index.php");
?>

```

Output

The screenshot shows a web browser window with the title "Homepage". The address bar displays "localhost/ten/index.php". The main content area shows a table with the following data:

F_id	Name	Subject	Semester	Section	Year	Action
3	KHALAHANISA	18CS61	6	C	3	Delete
2	LOGNATHAN	18CS62	6	C	3	Delete
1	SHARON	18CS63	6	C	3	Delete

[Add New Data](#)

F_id	Name	Subject	Semester	Section	Year	Action
3	KHALAHANISA	18CS61	6	C	3	Delete
2	LOGNATHAN	18CS62	6	C	3	Delete
1	SHARON	18CS63	6	C	3	Delete

The screenshot shows a web browser window with the title "Add Data". The address bar displays "localhost/ten/add.html". The main content area shows a form with the following fields:

Home	
F_id	<input type="text" value="4"/>
Name	<input type="text" value="sonam"/>
Subject	<input type="text" value="18cs60"/>
Semester	<input type="text" value="6"/>
Section	<input type="text" value="C"/>
Year	<input type="text" value="3"/>
	<input type="button" value="Add"/>

[Home](#)

F_id	<input type="text" value="4"/>
Name	<input type="text" value="sonam"/>
Subject	<input type="text" value="18cs60"/>
Semester	<input type="text" value="6"/>
Section	<input type="text" value="C"/>
Year	<input type="text" value="3"/>
	<input type="button" value="Add"/>

The screenshot shows a web browser window with the title "Homepage" and the URL "localhost/ten/index.php". A confirmation dialog box is overlaid on the page, asking "Are you sure you want to delete?". The dialog has "OK" and "Cancel" buttons. In the background, there is a table with the following data:

F_id	Name						
4	sonam						
3	KHALAHAN						
2	LOGNATHAN	18CS62	6	C	3	Delete	
1	SHARON	18CS63	6	C	3	Delete	

Experiment 11. Write a XML program to display student info (name, reg_no, grade, mobile number)

XML Code

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="Rule.css"?>
<students>
  <heading>Experiment Eleven : Student Details</heading>
  <student>
    <Name>Sonam Dorji</Name>
    <USN>1HK19CS151</USN>
    <Grade>10</Grade>
    <Mobile>8091784779</Mobile>
  </student>
  <student>
    <Name>Sunil Nagar</Name>
    <USN>1HK19CS158</USN>
    <Grade>9</Grade>
    <Mobile>9057674772</Mobile>
  </student>
  <student>
    <Name>Sonu Kumar</Name>
    <USN>1HK19CS152</USN>
    <Grade>8</Grade>
    <Mobile>5676654543</Mobile>
  </student>
  <student>
    <Name>Surrankan</Name>
    <USN>1HK19CS157</USN>
    <Grade>7</Grade>
    <Mobile>9876656778</Mobile>
  </student>
</students>
```

Rule.css

```
students {
  color: black;
  background-color : white;
  width: 100%;
}

heading {
  color: white;
  font-size : 40px;
  background-color : black;
}

heading, Name, USN, Semester, Section {
  display: block;
}

Name {
  font-size : 25px;
  font-weight : bold;
}
```

Output

The screenshot shows a Microsoft Edge browser window titled "student.xml". The address bar displays "C:/Users/Lobsang/Desktop/report/rep...". The toolbar includes standard icons for back, forward, search, and refresh. Below the toolbar, a favorites bar lists "Gmail", "YouTube", "Maps", "News", "Translate", and "Booking.com", along with a folder icon for "Other favorites". The main content area features a large black header bar with the text "Experiment Eleven : Student Details" in white. Below this, four student records are listed:

- Sonam Dorji**
1HK19CS151
10
8091784779
- Sunil Nagar**
1HK19CS158
9
9057674772
- Sonu Kumar**
1HK19CS152
8
5676654543
- Surrankan**
1HK19CS157
7
9876656778

Experiment 12. Design a site in WordPress

Design

The screenshot shows a WordPress page with the title "ABOUT ME" in large, bold, black font. To the right of the title is a colorful, abstract portrait painting of a person's face. Below the title are two text blocks. The first block contains a paragraph about experience at First Technology. The second block contains a paragraph about a two-year internship with Mobile First. At the bottom left, there is contact information: Name: Sonam Dorji and Institution: HKBKCE.

The screenshot shows a WordPress page with the title "1HK19CS151". The page content includes a "B.E Under Grad." section, an "ABOUT" section with a brief bio, and a "SKILLS" section listing adaptability, teamwork, Agile frameworks, interpersonal communication skills, Java, HTML, CSS, SQL Server, NoSQL, status tracking frameworks (Jira and Rally), practical knowledge of SQL and database concepts, and solid knowledge of cybersecurity principles. There is also a "CERTIFICATES" section listing Cloudera Certified Developer for Apache Hadoop (CCDH), Oracle Java Certifications Associate Professional, and Puppet Labs Puppet Developer Certification. At the bottom, there are social media icons for Twitter, Instagram, and LinkedIn.