

WEB PROGRAMMING LABORATORY MANUAL

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INDEX

	Program	Page Number
1	Develop and demonstrate a XHTML document that illustrates the use external style sheet, ordered list, table, borders, padding, color, and the tag.	5
2	Develop and demonstrate a XHTML file that includes Javascript script for the following problems: a) Input: A number n obtained using prompt. Output: The first n Fibonacci numbers. b) Input: A number n obtained using prompt. Output: A table of numbers from 1 to n and their squares using alert.	8
3	Develop and demonstrate a XHTML file that includes Javascript script that uses functions for the following problems: a) Parameter: A string Output: The position in the string of the left-most vowel. b) Parameter: A number Output: The number with its digits in the reverse order.	10
4	a) Develop and demonstrate, using Javascript script, a XHTML document that collects the USN (the valid format is: A digit from 1 to 4 followed by two upper-case characters followed by two digits followed by two upper-case characters followed by three digits; no embedded spaces allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert windows must be produced when errors are detected. b) Modify the above program to get the current semester also (restricted to be a number from 1 to 8)	13
5	a) Develop and demonstrate, using Javascript script, a XHTML document that contains three short paragraphs of text, stacked on top of each other, with only enough of each showing so that the mouse cursor can be placed over some part of them. When the cursor is placed over the exposed part of any paragraph, it should rise to the top to become completely visible. b) Modify the above document so that when a paragraph is moved from the top stacking position, it returns to its original position rather than to the bottom.	16
6	a) Design an XML document to store information about a student in an engineering College affiliated to VTU. The information must include USN, Name, Name of the College, Branch, Year of Joining, and e-mail id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document. b) Create an XSLT style sheet for one student element of the above document and use it to create a display of that element.	20

7	a) Write a Perl program to display various Server Information like Server Name, Server Software, Server protocol, CGI Revision etc. b) Write a Perl program to accept UNIX command from a HTML form and to display the output of the command executed.	23
8	a) Write a Perl program to accept the User Name and display a greeting message randomly chosen from a list of 4 greeting messages. b) Write a Perl program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.	24
9	Write a Perl program to display a digital clock which displays the current time of the server.	26
10	Write a Perl program to insert name and age information entered by the user into a table created using MySQL and to display the current contents of this table.	27
11	Write a PHP program to store current date-time in a COOKIE and display the 'Last visited on' date-time on the web page upon reopening of the same page.	29
12	Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.	30
13	Create a XHTML form with Name, Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name.	31
14	Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.	34

1. Develop and demonstrate a XHTML document that illustrates the use external style sheet, ordered list, table, borders, padding, color, and the tag.

1.css

```
p,table,li, // mystyle.css
{
font-family: "lucida calligraphy", arial, 'sans serif';
margin-left: 10pt;
}
p { word-spacing: 5px; }
body { background-color:rgb(200,255,205); }
p,li,td { font-size: 75%;}
#td { padding: 0.5cm; }
th
{
text-align:center;
font-size: 85%;
}
h1, h2, h3, hr {color:#483d8b;}
table
{
border-style: outset;
background-color: rgb(100,255,105);
}
p.one {
padding: 0.2in;
background-color: #COCOCO;
border-style: solid;
}
li {list-style-type: lower-roman;}
span
{
color:blue;
background-color:pink;
font-size: 29pt;
font-style: italic;
font-weight: bold;
}
```

1.html

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
<head <!-- lab1.html -->
<link rel="stylesheet" type="text/css" href="1.css" />
<title> Lab program1 </title>
</head>
<body>
<h1>This header is 36 pt</h1>
<h2>This header is blue</h2>
<p>This paragraph has a left margin of 50 pixels</p>
<hr> <!-- horizontal line -->
<h1>Web Programming LAB</h1>
<h3>List of lab programs</h3>
<ol> <!-- ordered list -->
<li> XHTML with CSS</li>
<li> XHTML with java scripts</li>
<li> Xml with CSS</li>
<li>XSLT style sheet</li>
<li>perl</li>
<li>perl with MYSQL</li>
<li>PHP with MYSQL</li>
</ol>
<table border="4" width="5%"> <!-- table with name & email -->
<tr>
<th >Name </th>
<th>Email</th>
</tr>
<tr>
<td >Dr. HNS</td>
<td>hns@gmail.com</td>
</tr>
<tr>
<td >Dr. MKV</td>
<td>mkv@rediffmail.com</td>
</tr>
<tr>
<td >Dr. GTR</td>
<td>gtr@rnsit.in</td>
</tr>
<tr>
```

```
<td >Dr. MVS</td>
+
-+---<td>mvs@hotmail.com</td>
</tr>
</table>
<p class ="one">
Now is the time for all good web programmers to learn to use style sheets. <br >[padding: 0.2in]
</p>
<p>
<span>This is a text.</span> This is a text. This is a text. This is a text. This is a text. This is a text. This
is a text. This is a text. This is a text. <span>This is a text.</span>
</p>
</body>
</html>
```

2) Develop and demonstrate a XHTML file that includes Javascript script for the following problems:

a) Input: A number n obtained using prompt.

Output: The first n Fibonacci numbers.

b) Input: A number n obtained using prompt.

Output: A table of numbers from 1 to n and their squares using alert.

a) Input: A number n obtained using prompt

Output: The first n Fibonacci numbers.

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
  "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<!-- lab2a.html -->
<html xmlns = "http://www.w3.org/1999/xhtml">
<title>Fibonacci Series</title>
<body bgcolor=cyan>
<script type="text/javascript">
var fib1=0,fib2=1,fib=0;
var num = prompt("Enter a number : \n", "");
if(num!=null && num>0)
{
  document.write("<h1>" + num + " Fibonocci are <br></h1></font>");
  if(num==1)
    document.write("<h1>" + fib1 + "</h1>");
  else
    document.write("<h1>" + fib1 + " " + fib2 + "</h1>");
  for(i=3;i<=num; i++)
  {
    fib= fib1 + fib2;
    document.write("<h1>" + fib + "</h1>");
    fib1=fib2;
    fib2=fib;
  }
}
else
  alert("No Proper Input");
</script>
</body>
</html>
```


b) Input: A number n obtained using prompt

Output: A table of numbers from 1 to n and their squares using alert

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
  "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<!-- lab2b.html
      A trivial document
      -->
<html xmlns = "http://www.w3.org/1999/xhtml">
<title>Square of a Number</title>
<body>
<script type="text/javascript">
var num = prompt("Enter a number : \n", "");
if(num >0 && num !=null){
  msgstr="Number and its Squares are \n";
  for(i=1;i <= num; i++)
  {
    msgstr = msgstr + i + " - " + i*i + "\n";
  }
  alert(msgstr)
}
else
  alert("No input supplied");
</script>
</body>
</html>
```

3. Develop and demonstrate a XHTML file that includes Javascript script that uses functions for the following problems:

a) Parameter: A string

Output: The position in the string of the left-most vowel

```
<?xml version = "1.0" encoding = "utf-8" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
  "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
                                                                 <!-- lab3a.html -->

<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<script type="text/javascript">
function disp(str)
{
  var alphaExp = /^[a-zA-Z]+$/;
    if(!str.value.match(alphaExp))
    {      alert("Input should be only alphabets");
      return false;    }

  sml=31;
  text = str.value.toLowerCase();
  var ia = text.indexOf("a");
  if(sml > ia && ia >= 0)
    {sml=ia;}
  var ie = text.indexOf("e");
  if(sml > ie && ie >= 0)
    {sml=ie;}
  var ii = text.indexOf("i");
  if(sml > ii && ii >= 0)
    {sml=ii;}
  var io = text.indexOf("o");
  if(sml > io && io >= 0)
    {sml=io;}
  var iu = text.indexOf("u");
  if(sml > iu && iu >= 0)
    {sml=iu;}
  if(sml == 31)
    alert("No vowel found");
  else
    alert("The leftmost position of the vowel is " + sml);
}
</script>
</head>
```

```
<title>VOWEL</title>
<body bgcolor="pink">
<center><form>
<br/>
<br/>
Enter a String :
<input type="text" name="strng" size = "30" maxlength="30">
<input type="button" value="Click me!" onclick="disp(strng)">
</center>
</form>
</body>
</html>
```

b) Parameter: A number**Output: The number with its digits in the reverse order.**

```
<? xml version ="1.0" encoding = "utf-8?>
<!--      Document      : To reverse a given number Created on : JUNE 2009   Author:User-->
<! DOCTYPE html PUBLIC "-//w3c//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title> reverse.html </title>
    <script type="text/javascript">
      function rev_num()
      {
        var num = prompt("Enter the number to be reversed:", " ");
var n = num;
        var rev = 0,rem;
        while(n > 0)
          {
            rem = n % 10;
            rev = rev * 10 + rem;
            n = Math.floor( n / 10);
          }
        alert ("The given number is  : " +num+ "\n");
        alert ("The reverse of the given number is : " +rev+ "\n");
      }
    </script>
  </head>
  <body onload="rev_num();">
  </body>
</html>
```

4.a) Develop and demonstrate, using Javascript script, a XHTML document that collects the USN (the valid format is: A digit from 1 to 4 followed by two upper-case characters followed by two digits followed by two upper-case characters followed by three digits; no embedded spaces allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert windows must be produced when errors are detected.

```
<?xml version = "1.0" encoding = "utf-8" ?> <!-- lab4a.html -->
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
  "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
<script type='text/javascript'>
function formValidator()
{
  var usn = document.getElementById('req1');
  alert(usn.value);
  if(isCorrect(usn))
  {
    return true;
  }
  return false;
}
function isCorrect(elem1)
{
alphaExp1=/[1-4][A-Z][A-Z][0-9][0-9][A-Z][A-Z][0-9][0-9][0-9]$/
  if(elem1.value.length == 0)
  {
    alert("US Number is empty");
    elem1.focus();
    return false;
  }
  else if(!elem1.value.match(alphaExp1))
  {
    alert("US Number should be in DAADDAADDD format");
    elem1.focus();
    return false;
  }
  alert("US Number IS CORRECT");
  return true;
}
</script>
<body BGCOLOR="cyan">
<br/><br/>
```

```

<center>
<form onsubmit='return formValidator()>
<font color="red">
<b>Enter your USN. in DAADDAADDD format :</b> <input type='text' id='req1' /> </font>
<input type='submit' value='Check Field' />
</form>
</body></html>

```

4.b) Modify the above program to get the current semester also (restricted to be a number from 1 to 8)

```

<?xml version = "1.0" encoding = "utf-8" ?>      <!-- lab4b.html -->

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
  "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns = "http://www.w3.org/1999/xhtml">
<head>
<script type='text/javascript'>
function formValidator()
{ var usn = document.getElementById('req1');
  var sem = document.getElementById('req2');
  if(isCorrect(usn))
    { if(isPerfect(sem))
      return true;
    }
  return false;
}
function isCorrect(elem1)
{var alphaExp1 = /^[1-4][A-Z][A-Z][0-9][0-9][A-Z][A-Z][0-9][0-9][0-9]$/
  if(elem1.value.length == 0)
    { alert("US Number is empty");
      elem1.focus();
      return false;
    }
    else if(!elem1.value.match(alphaExp1))
      { alert("US Number should be in DAADDAADDD format");
        elem1.focus();
        return false; }
    alert("US Number
IS CORRECT");
    return true;
  }
}

function isPerfect(elem2)
{ var alphaExp2 = /^[1-8]$/

```

```
if(elem2.value.length == 0)
  { alert("Semester Number is empty");
    elem2.focus();
    return false;
  }
else if(!elem2.value.match(alphaExp2))
  { alert("Invalid Semester Number");
    elem2.focus();
    return false;
  }
alert("Semester Number IS CORRECT");
return true;
}
</script>
</head>
<body bgcolor="cyan">
<center>
<aform onsubmit='return formValidator()>
<table>
<br/><br/>
<tr><td><b><font color="red">Enter your USN. in DUUDDUUDDD format : </b></td>
      <td><input type='text' id='req1' /> <BR/></td></tr>
<tr><td>
      <b><font color="red">Enter your Sem. in D[1-8] format : </b></td>
      <td><input type='text' id='req2' /> <BR/></td>
</tr></table>
<br/>
<input type='submit' value='Check Field' />
</form>
</body>
</html>
```

5. a) Develop and demonstrate, using Javascript script, a XHTML document that contains three short paragraphs of text, stacked on top of each other, with only enough of each showing so that the mouse cursor can be placed over some part of them. When the cursor is placed over the exposed part of any paragraph, it should rise to the top to become completely visible.

b) Modify the above document so that when a paragraph is moved from the top stacking position, it returns to its original position rather than to the bottom.

a) XHTML document that contains three short paragraphs of text, stacked on top of each other.

```
<!DOCTYPE HTML PUBLIC "-//w3c//DTD XHTML 1.1//EN">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
  <title>The Stacking order</title>
<style type="text/css">.layer1Style {
  border: solid thick black;
padding: 1em;
width:300px;
background-color:yellow;
position:absolute;
top:100px;
left:200px;
z-index:0;
}
.layer2Style
{
border: solid thick red;
padding: 1em;
width:300px;
background-color:BLUE;
position:absolute;
top:120px;
left:220px;
z-index:0;
}
.layer3Style
{
border: solid thick green;
padding: 1em;
width:300px;
background-color:purple;
```



```
position:absolute;
top:140px;
left:240px;
z-index:0;
}          </style>

    <script type="text/javascript">
var topLayer="layer3";
function mover(toTop)
{
var oldTop=document.getElementById(topLayer).style;
var newTop=document.getElementById(toTop).style;
oldTop.zIndex="0";
newTop.zIndex="10";
topLayer=document.getElementById(toTop).id;
}
</script>
    </head>
    <body>
        <h2>Stacking of Paragraphs</h2>
        <div style="z-index: 10;" class="layer1Style" id="layer1" onmouseover="mover('layer1')">
            The lives of most inhabitants of Industrailzed Countries, has well as some
unindustrialized
            countries, have been changed forever by the advent of WWW.
        </div>
        <div style="z-index: 2;" class="layer2Style" id="layer2" onmouseover="mover('layer2')">
            The www may seem like magic , untill you undrestand how it works.The Web is
            accessed  through a browser.
        </div>
        <div style="z-index: 0;" class="layer3Style" id="layer3" onmouseover="mover('layer3')">
            Windows XP provides many ways for you to communicate with friends, co-workers, and
I
            with  the rest of the world.
        </div>
    </body>
</html>
```

b) The Stacking of paragraphs and moved from the top stacking position, it returns to its original position.

```
<!DOCTYPE HTML PUBLIC "-//w3c//DTD XHTML 1.1//EN">
<html xmlns="http://www.w3.org/1999/xhtml"><head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<title>The Stacking order</title>
<style type="text/css">
.layer1Style{
border: solid thick black;
padding: 1em;
width:300px;
background-color:yellow;
position:absolute;
top:200px;
left:400px;
z-index:1;
}
.layer2Style{
border: solid thick blue;
padding: 1em;
width:300px;
background-color:red;
position:absolute;
top:220px;
left:420px;
z-index:2;
}
.layer3Style{
border: solid thick brown;
padding: 1em;
width:300px;
background-color:orange;
position:absolute;
top:240px;
left:440px;
z-index:3;
}
</style>
<script type="text/javascript">
var topLayer="layer3";
var origPos;
function mover(toTop,pos)
{
```

```
var newTop=document.getElementById(toTop).style;
newTop.zIndex="10";
topLayer=document.getElementById(toTop).id;
origPos=pos;}
function moveBack()
{
document.getElementById(topLayer).style.zIndex=origPos;
}
</script>
</head><body>
<br />
<br />
<h3>The Stacking of paragraphs,and moved from the top stacking position, it returns to its original
position.</h3>
<div style="z-index: 1;" class="layer1Style" id="layer1" onmouseover="mover('layer1','1')"
onmouseout="moveBack()">
The lives of most inhabitants of Industrailzed Countries, has well as some unindustrialized
countries, have been changed forever by the advent of WWW.
</div>
<div style="z-index: 2;" class="layer2Style" id="layer2" onmouseover="mover('layer2','2')"
onmouseout="moveBack()">
The www may seem like magic , untill you undrestand how it works.The Web is accessed through
a browser.
</div>
<div style="z-index: 3;" class="layer3Style" id="layer3" onmouseover="mover('layer3','3')"
onmouseout="moveBack()">
Windows XP provides many ways for you to communicate with friends, co-workers, and I with
the rest of the world.
</div>
<script type="text/javascript">
</script>
</body>
</html>
```

- 6. a) Design an XML document to store information about a student in an engineering College affiliated to VTU. The information must include USN, Name, Name of the College, Branch, Year of Joining, and e-mail id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.**
- b) Create an XSLT style sheet for one student element of the above document and use it to create a display of that element.**

a) XML document to store information about a student in an engineering(using internal DTD to show the XML structure)

student.xml

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE student[
<!ELEMENT student_information (ad+)>

<!ELEMENT ad (usn,name,collegename,branch,year,email)>
<!ELEMENT usn (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT collegename (#PCDATA)>
<!ELEMENT branch (#PCDATA)>
<!ELEMENT year (#PCDATA)>
<!ELEMENT email (#PCDATA)>

]>

<?xml-stylesheet type="text/css" href="student.css"?>
<student_information>
<h3>student_information</h3>
<h2>student 1</h2>
<ad><label> usn:<usn> 4bd06499 </usn></label></ad>
<ad><label>Name:<name> ABC </name></label></ad>
<ad><label>College Name:<college> BIET,DVg </college></label></ad>
<ad><label>Branch:<branch> CSE </branch></label></ad>
<ad><label>Year of Joining:<year> 2007 </year></label></ad>
<ad><label>Email -id:<email> abc@gmail.com </email></label></ad>
<h2>student 2</h2>
<ad><label> usn:<usn> 4bd06500 </usn></label></ad>
<ad><label>Name:<name> XYZ </name></label></ad>
<ad><label>College Name:<college> BIET,DVg </college></label></ad>
<ad><label>Branch:<branch> CSE </branch></label></ad>
<ad><label>Year of Joining:<year> 2007 </year></label></ad>
<ad><label>Email -id:<email> xyz@gmail.com </email></label></ad>
```

```
<h2>student 3</h2>
<ad><label> usn:<usn> 4bd06501 </usn></label></ad>
<ad><label>Name:<name> PQR </name></label></ad>
<ad><label>College Name:<college> BIET,DVg </college></label></ad>
<ad><label>Branch:<branch> CSE </branch></label></ad>
<ad><label>Year of Joining:<year> 2007 </year></label></ad>
<ad><label>Email -id:<email> pqr@gmail.com </email></label></ad>
</student_information>
```

student.css

```
ad {display:block; margin-top:15px; color:blue; font-size:13pt; }
usn {color:red; font-size:12pt; margin-left:15px; }
name { color:red; font-size:12pt;margin-left:15px; }
college { color:red; font-size:12pt; margin-left:15px; }
branch { color:red; font-size:12pt; margin-left:15px; }
year { color:red; font-size:12pt; margin-left:15px; }
email { color:red; font-size:12pt; margin-left:15px; }
h3 { color:red; font-size:18pt; }
h2 { display:block; color:black; font-size:18pt; }
6b.xml
```

```
<?xml version = "1.0"?>
<!-- xslplane.xml -->
<?xml-stylesheet type = "text/xsl" href = "6b.xsl" ?>
<student>
<USN> 4bd06cs099 </USN>
<name> Cessna </name>
<college> BIET </college>
<branch>CSE</branch>
<year> 2009 </year>
<email>abc@gmail.com</email>
</student>
```

```
6b.xsl
<?xml version = "1.0"?>
<!-- xslplane.xsl -->
<xsl:stylesheet version = "1.0"
xmlns:xsl = "http://www.w3.org/1999/XSL/Transform"
xmlns = "http://www.w3.org/TR/xhtml1/strict">
<xsl:template match = "/">
<h2> Student information </h2>
<span style = "font-style: italic"> USN: </span>
<xsl:value-of select = "student/USN" /> <br />
```

```
<span style = "font-style: italic"> Name: </span>  
<xsl:value-of select = "student/name" /> <br />  
<span style = "font-style: italic"> Branch: </span>  
<xsl:value-of select = "student/branch" /> <br />  
<span style = "font-style: italic"> college Name: </span>  
<xsl:value-of select = "student/college" /> <br />  
<span style = "font-style: italic"> Year of Joining: </span>  
<xsl:value-of select = "student/year" /> <br />  
<span style = "font-style: italic"> Email-id: </span>  
<xsl:value-of select = "student/email" /> <br />  
</xsl:template>  
</xsl:stylesheet>
```

7. a) Write a Perl program to display various Server Information like Server Name, Server Software, Server protocol, CGI Revision etc.

b) Write a Perl program to accept UNIX command from a HTML form and to display the output of the command executed.

7a.pl

```
#!/usr/bin/perl
# This line tells the machine to run the file through Perl
# Environment variables can be accessed using $ENV.
print "content-type:text/html","\n\n";
print "<html><body bgcolor='cyan'><h1><center>SERVER INFORMATION<center></h1><br>";

print "<hr><br>Server Name=", $ENV{'SERVER_NAME'};
print "<br>Running port=", $ENV{'SERVER_PORT'};
print "<br>SERVER PROTOCOL=", $ENV{'SERVER_PROTOCOL'};
print "<br>Server software=", $ENV{'SERVER_SOFTWARE'};
print "<br>CGI Version=", $ENV{'GATEWAY_INTERFACE'};
print "<br><hr></body></html>";
```

7b.html

```
<html>
<body bgcolor="cyan">
<form action="http://localhost/cgi-bin/7b.pl" method="get">
<center><h1>UNIX COMMAND EXECUTION</h1></center>
Enter the Command:<input type="text" name="com" size=40>
<br>
<br>
<input type="submit" value="Execute" >
<input type="reset" value="clear">
</form>
</body></html>
```

7b.pl

```
#!/usr/bin/perl
use CGI:'standard'; # 6b.pl
print "content type: text/html \n\n";
$c=param('com');
system($c);
exit(0);
```

- 8. a) Write a Perl program to accept the User Name and display a greeting message randomly chosen from a list of 4 greeting messages.**
- b) Write a Perl program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.**

8a.pl

```
#!/usr/bin/perl
use CGI ':standard';
use CGI::Carp qw(warningsToBrowser);
@coins = ("Welcome to Web Programming Lab", "Have a nice time in lab", "Practice all the programs",
"well done Good Day");
$range = 4;
$random_number = int(rand($range));
if(param)
{
print header();
print start_html(-title=>"User Name",-bgcolor=>"Pink",-text=>"blue");
$cmd=param("name");
print b("Hello $cmd, $coins[$random_number]"),br();
print start_form();
print submit(-value=>"Back");
print end_form();
print end_html();
}
else
{
print header();
print start_html(-title=>"Enter user name",-bgcolor=>"cyan",-text=>"blue");
print start_form(),br(),b("enter your name"),textfield(-name=>"name",-value=>" "), submit(-
name=>"submit",-value=>"Submit"),reset();
print end_form();
print end_html();
}
```


8b.pl

```
#!/usr/bin/perl
use CGI ':standard';
use CGI::Carp qw(warningsToBrowser);
print header();
print start_html(-title=>"WebPage Counter", -bgcolor=>"Pink",-text=>"blue");
open(FILE,'<count.txt');
$count=<FILE>;
close(FILE);
$count++;
open(FILE,'>count.txt');
print FILE "$count";
print b("This page has been viewed $count times");
close(FILE);
print end_html();
```

9. Write a Perl program to display a digital clock which displays the current time of the server.

```
#!/usr/bin/perl
use CGI:'standard';
$de=1;
print "Refresh:",$de,"\n";
print "content-type:text/html","\n\n";
print "<html><body bgcolor=cyan><center><h1>DIGITAL CLOCK</CENTER></h1><br>";
($s,$m,$h)=localtime(time);
print"<table align=center border=2 bgcolor=cheery><tr><td><font color=red
size=7>$h</td><td><font size=10>:</td><td><font color=blue size=7>$m</td><td><font
size=7>:</td><td><font size=7>$s</td></tr></table>";
print "<br><br><center><h2>The current system time is $h hours $m minutes $s
seconds</center></h2>";
print "<br></body></html>";
```

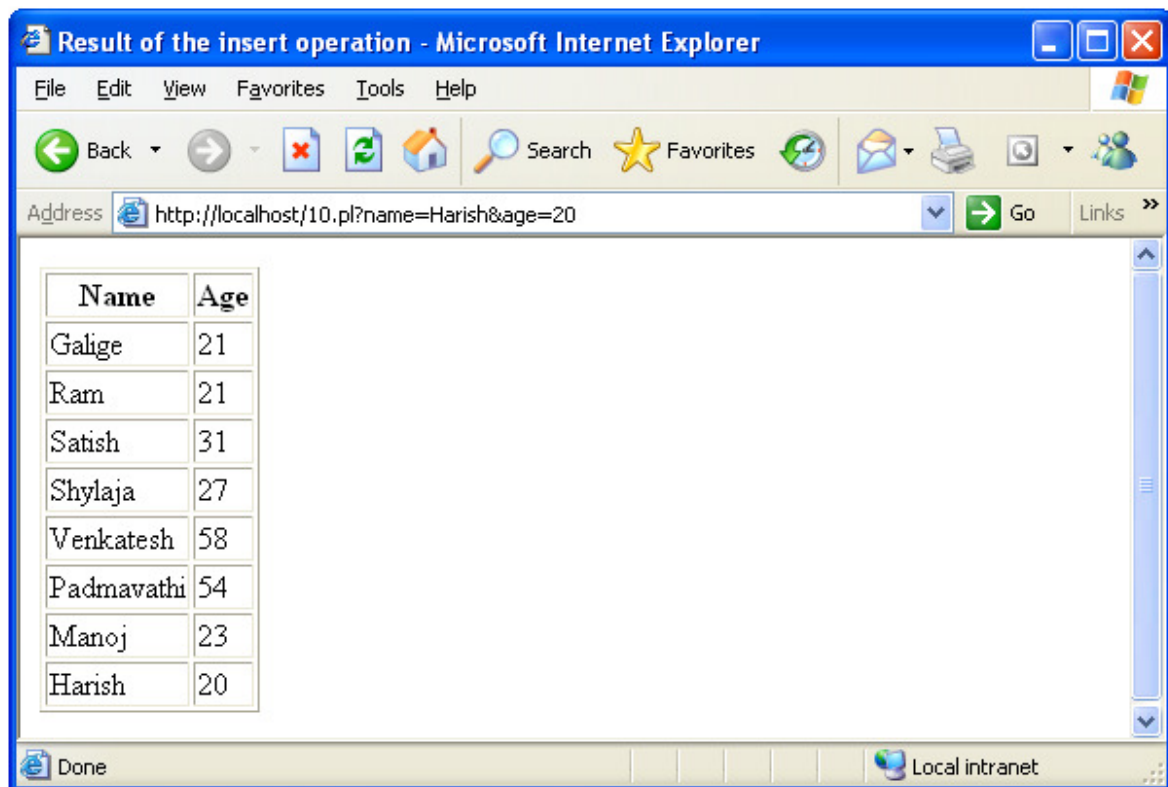
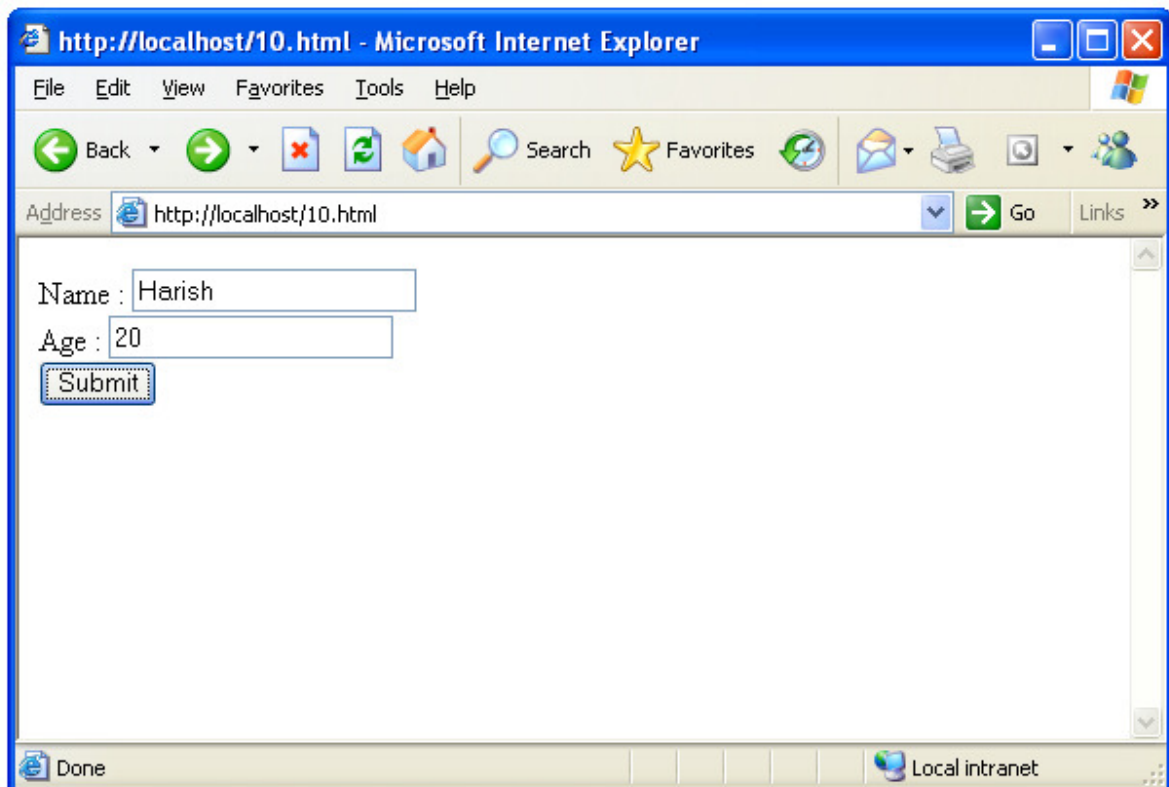
10. Write a Perl program to insert name and age information entered by the user into a table created using MySQL and to display the current contents of this table.

10.html

```
<html>
<body>
<form action="http://localhost/10.pl" >
Name : <input type="text" name="name"> <br>
Age :<input type="text" name="age"> <br>
<input type="submit" value="Submit">
</form>
</html>
```

10.pl

```
#!/usr/bin/perl
use CGI ':standard';
use DBI;
$age=param("age");
$name=param("name");
print "Content-type: text/html\n\n";
print "<HTML><TITLE>Result of the insert operation </TITLE><body>connection</br>";
$dbh=DBI->connect("DBI:mysql:test");
#$name=param("name");
#$age=param("age");
$qh=$dbh->prepare("insert into stud values('$name','$age')");
$qh->execute();
$qh=$dbh->prepare("Select * from stud");
$qh->execute();
print "<table border size=1><tr><th>Name</th><th>Age</th></tr>";
while ( ($name,$age)=$qh->fetchrow()
{
print "<tr><td>$name</td><td>$age</td></tr>";
}
print "</table>";
$qh->finish();
$dbh->disconnect();
print"</body></HTML>";
```



11. Write a PHP program to store current date-time in a COOKIE and display the 'Last visited on' date-time on the web page upon reopening of the same page.

```
<html> <!-- 11.php after saving always give chmod command-->
<head><title>Search Result </title></head>
<body bgcolor=orange>
<hr>
<?
// get current date information as associative array
if(isset($_COOKIE['Datee']))
{
$cookiedate = $_COOKIE['Datee'];
}
$todayh = getdate();
$d = $todayh[mday];
$m = $todayh[mon];
$y = $todayh[year];
$hr = $todayh[hours];
$mi = $todayh[minutes];
$se = $todayh[seconds];
$datestring = "$d-$m-$y, $hr:$mi:$se";
setcookie("Datee",$datestring);
echo "<h1><font color=blue><center>Program creating and displaying cookie</h1></center>";
echo"<br>";
echo "<br><center>Hello, your last visit was".$cookiedate."! </center></body></html>";
print"<br>";
?>
</body>
</html>
```

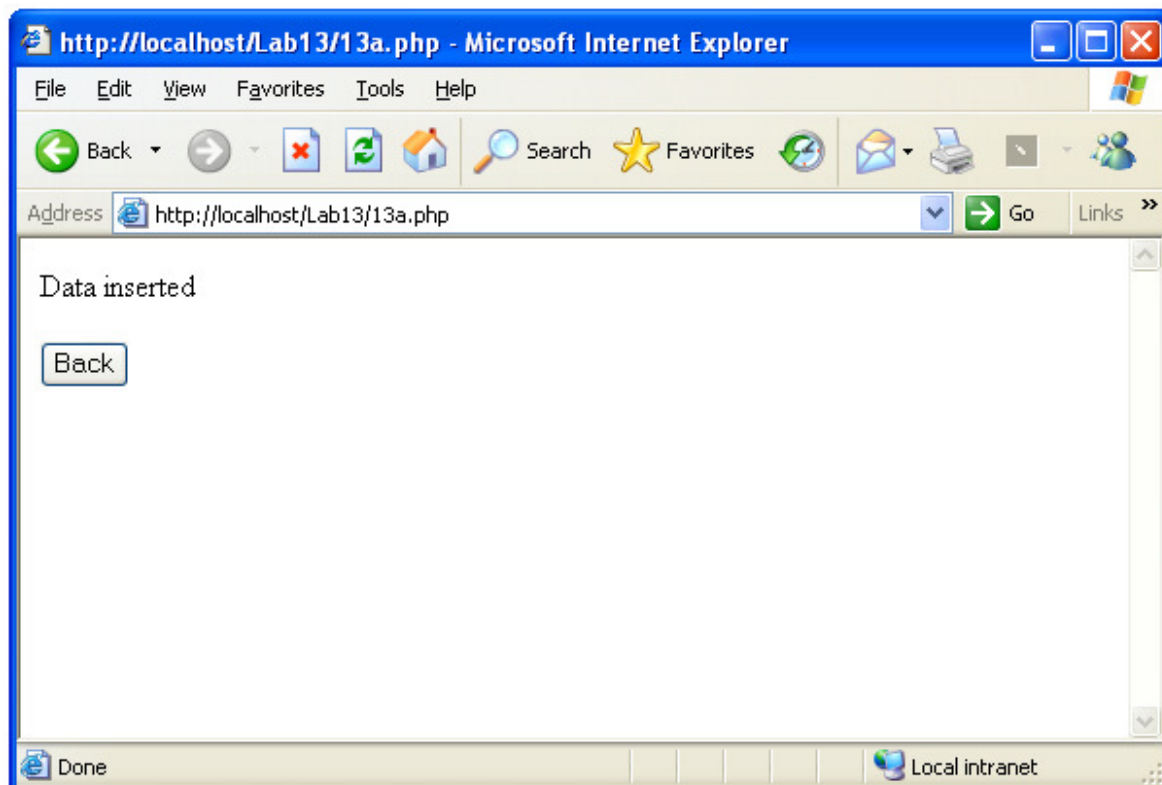
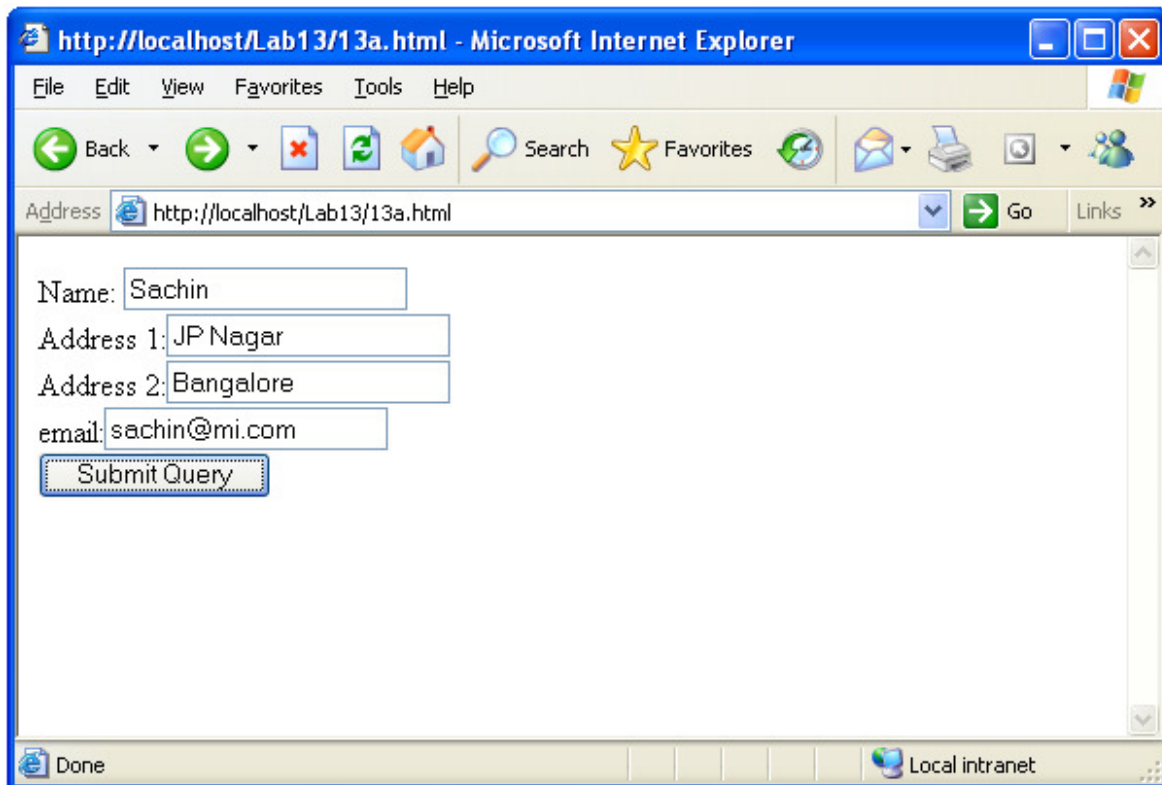
12. Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

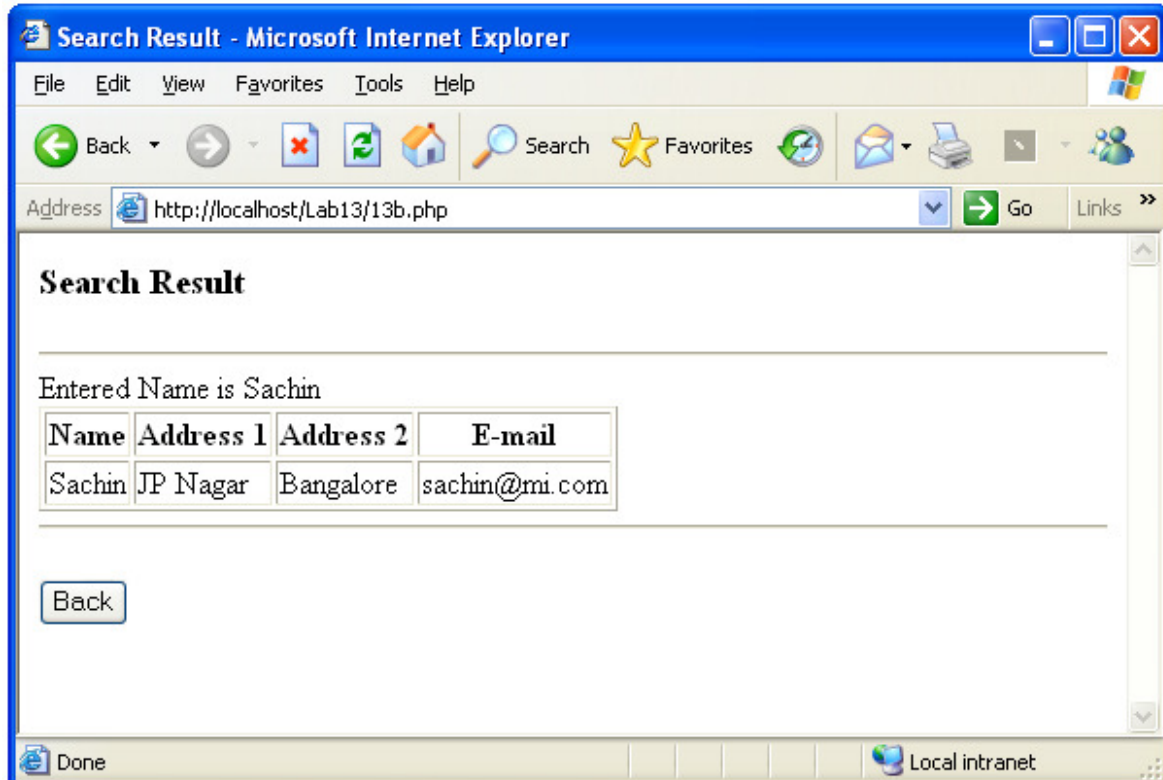
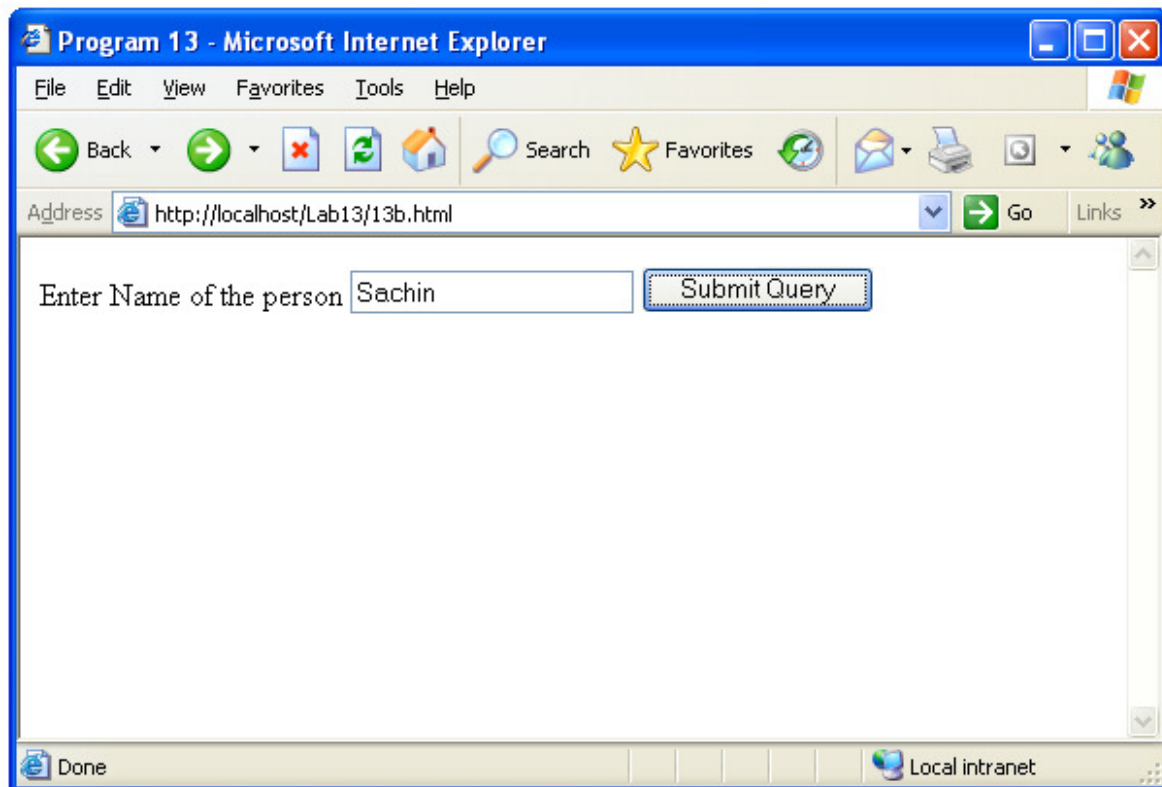
12.php

```
<html>
<head><title>SESSION </title></head>
<body bgcolor=pink>
<?php
session_start();
session_register("count");
if (!isset($_SESSION))
{
$_SESSION["count"] = 0;
echo "<p>Counter initialized</p>\n";
}
else { $_SESSION["count"]++; }
echo "<p><center><h1><font color=red>The counter is now
<b>$_SESSION[count]</center></h1></b></p>".
"<p><h2><center>reload this page to increment</center></h2></p>";
?>
```

13. Create a XHTML form with Name, Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name.

```
<html>
<body>
<?php
$self = $_SERVER['PHP_SELF'];
$dbh = mysql_connect('localhost', 'root', 'satis1') or
die(mysql_error());
mysql_select_db('satis1') or die(mysql_error());
if(isset($_POST['name']))
{
$name = $_POST['name'];
$ad1 = $_POST['add1'];
$ad2 = $_POST['add2'];
$eml = $_POST['email'];
if($name != "" && $ad1 != "")
{
$query = "INSERT INTO contact VALUES
('$name', '$ad1', '$ad2', '$eml)";
$result = mysql_query($query) or die(mysql_error());
}
else
echo "one of the field is empty";
}
mysql_close($dbh);
?>
<FORM ACTION="<?=$self?>" METHOD="POST">
<P>
Name: <INPUT TYPE=text NAME="name" value=""> <BR>
Address 1:<INPUT TYPE=text NAME="add1" value=""><BR>
Address 2:<INPUT TYPE=text NAME="add2" value=""><BR>
email:<INPUT TYPE=text NAME="email" value=""><BR>
<INPUT TYPE=submit>
</FORM>
</body>
</html>
```





14. Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

```

<html>
<body bgcolor=cyan>
<form action="p8.php" ><br><font color=orange><h1><center>BOOK INFORMATION</H1>
<table align=center><tr><td>ENTER ACESSION NO</td><td><INPUT NAME=acn></td></tr>
<tr><td>ENTER TITLE</td><td><INPUT NAME=tit></td></tr>
<tr><td>ENTER AUTHOR NAME</td><td><INPUT NAME=aut></td></tr>
<tr><td>ENTER EDITION</td><td><INPUT NAME=edi></td></tr>
<tr><td>ENTER PUBLICATION</td><td><INPUT NAME=pub></td></tr>
</TABLE><br><br>
<center><input type=reset value=CLEAR><BR><BR>
<center><input type=submit value=INSERT>
</FORM></BODY></HTML>

<?
mysql_connect("localhost");
$acn=$_GET['acn'];
$tit=$_GET['tit'];
$aut=$_GET['aut'];
$edi=$_GET['edi'];
$pub=$_GET['pub'];
if($acn && $tit && $aut && $edi && $pub ){
mysql_db_query("test"," insert into book values('$acn','$tit','$aut','$edi','$pub' ");
$res=mysql_db_query("test","select * from book");
echo"<body bgcolor=cyan><br><br><h1><center><font color=magenta>
RESULT OF THE QUERY</H1><table border=1 align=center>
<tr><th>ACSESSION_NO</TH><TH>TITTLE</TH><TH>AUTHOR</TH><TH>EDITION</TH><TH>PUBLICATION</TH</TR>";
while($arr=mysql_fetch_row($res))
{print"<tr><td>$arr[0]</td><td>$arr[1]</td><td>$arr[2]</td><td>$arr[3]</td><td>$arr[4]</td></tr>";}
}
else
{
print "<body bgcolor=cyan><h1 align=center><font color=orange>DONT LET FEILDS TO BE NULL<BR><form
action =/p8.html><input type=submit value=BACK>";
}
?>
<html><body bgcolor=cyan>
<form action="p9.php">
<H1><center><font color=green>BOOKS ENQUIRY BASED ON TITLE OF BOOK</center></H1><br>

```

```
<BR><BR><TABLE ALIGN=CENTER><TR><TD><font color=red ><blink><b>ENTER BOOK
TITLE</TD><TD><INPUT NAME=tit></td></tr></table>
<br><br><br><br><CENTER>
<input type=submit value=GET_ME_BOOKS>
</FORM></BODY></HTML>
```

```
<?
mysql_connect("localhost") or die("connection failed!!");
$tit=$_GET['tit'];
if($tit != ""){
$res=mysql_db_query("test","select ascn_no,author,edition,publication from book where title='$tit'") or die("Query
failed!!");}
if(mysql_num_rows($res))
{
echo"<body bgcolor=cyan><h1><font color=orange><CENTER>AVAILABLE BOOKS FOR GIVEN
TITLE<br><font color=red>$tit<br><table border=1
align=center><tr><th>ACSESSION_NO</th><th>AUTHOR</th><th>EDITION</th><th>PUBLICATION</T
H</TR>";
while($arr=mysql_fetch_row($res))
{print"<tr><td>$arr[0]</td><td>$arr[1]</td><td>$arr[2]</td><td>$arr[3]</td></tr>";}
}
else
{print"<body bgcolor=cyan><br><br><br><center><H2><FONT color=red
SIZE=8>SORRY</FONT><br><center>NO BOOKS ARE AVAILBLE FOR YOUR TITLE</H2><form
action=p9.html><br><br><input type=submit value=GOBACK>";
}
?>
OR
<?
$username="root";
$password="brpbrp";
$database="mysql";
$id=$_POST['id'];
$accno=$_POST['accno'];
$title=$_POST['title'];
mysql_connect(localhost,$username,$password);
@mysql_select_db($database) or die("Unable to select database");
$query="INSERT INTO library VALUES ('$id','$accno','$title)";
mysql_query($query);
$query1="SELECT * FROM library";
$result=mysql_query($query1);
$num=mysql_numrows($result);
echo"<b>Output</b>";
print "<table border size=1><tr><th>ID</th><th>Accno</th><th>Title</th></tr>";
$i=0;
```

```

while($i<$num) {
$id=mysql_result($result,$i,"id");
$accno=mysql_result($result,$i,"accno");
$title=mysql_result($result,$i,"title");
echo "<tr><td>$id</td><td>$accno</td><td>$title</td></tr>";
$i++;
}
print "</table>";
mysql_close();
?>

```

