

EXERCISE - 1

INDEX:

```
<!DOCTYPE html>

<html>

<head>

<title>KHIT College</title>

</head>

<frameset rows="15%,10%,*">

<frameset cols="20%,*">

<frame name="f11" src="logo.html" scrolling="no"></frame>

<frame name="f12" src="title.html" scrolling="no"></frame>

</frameset>

<frameset cols="20%,20%,20%,20%,*">

<frame name="f21" src="home.html"></frame>

<frame name="f22" src="login.html"></frame>

<frame name="f23" src="reg.html"></frame>

<frame name="f24" src="cat.html"></frame>

<frame name="f25" src="cart.html"></frame>

</frameset>

<frameset cols="20%,*">

<frame name="f31" src="branches.html"></frame>

<frame name="f32" src="homepage.html"></frame>

</frameset>

</frameset>

</html>
```

LOGO:

```
<!DOCTYPE html>

<html>

<head>

<title></title>

</head>

<body>

<center></center>

</body>
```

```
</html>
```

TITLE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<h1 align="center">KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY</h1>
```

```
</body>
```

```
</html>
```

HOME:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<a href="homepage.html" target="f32">Home</a>
```

```
</body>
```

```
</html>
```

HOME PAGE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<title></title>
```

```
</head>

<body>

<p align="justify">Welcome to KHIT.</p>

</body>

</html>
```

LOGIN:

```
<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title></title>

</head>

<body>

<a href="loginpage.html" target="f32">Login</a>

</body>

</html>
```

LOGIN PAGE:

```
<!DOCTYPE html>

<html>

<head>

<title></title>

</head>

<body>

<form>

<table align="center" cellspacing="15px">

<tr>

<td><b>Login</b></td>

<td><input type="text" name="uname" /></td>

</tr>

<tr>

<td><b>Password</b></td>

<td><input type="password" name="upwd" /></td>
```

```
</tr>

<tr>

<td colspan="2" align="center">
<input type="submit" />&nbsp; &nbsp;
<input type="reset" />

</td>

</tr>

</table>

</form>

</body>

</html>
```

REGESTATION:

```
<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title></title>

</head>

<body>

<a href="regpage.html" target="f32">Registration</a>

</body>

</html>
```

REGESTATION PAGE:

```
<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

</head>

<body>

<form>

<h1 align="center"> REGISTRATION </h1>
```

[illegible]

```
<option value="6">6</option>
<option value="7">7</option>
<option value="8">8</option>
<option value="9">9</option>
<option value="10">10</option>
<option value="11">11</option>
<option value="12">12</option>
<option value="13">13</option>
<option value="14">14</option>
<option value="15">15</option>
<option value="16">16</option>
<option value="17">17</option>
<option value="18">18</option>
<option value="19">19</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>
<option value="28">28</option>
<option value="29">29</option>
<option value="30">30</option>
<option value="31">31</option>
</select>
<label for="month">Month:</label>
<select id="month" name="month">
  <option value="">--Month--</option>
  <!-- Months from January to December -->
  <option value="1">January</option>
  <option value="2">February</option>
  <option value="3">March</option>
  <option value="4">April</option>
  <option value="5">May</option>
```

```
<option value="6">June</option>
<option value="7">July</option>
<option value="8">August</option>
<option value="9">September</option>
<option value="10">October</option>
<option value="11">November</option>
<option value="12">December</option>
</select>
```

```
<label for="year">Year:</label>

<select id="year" name="year">

  <option value="">--Year--</option>

  <!-- Generate years from 1900 to the current year -->

  <option value="2020">2020</option>

  <option value="2021">2021</option>

  <option value="2022">2022</option>

  <option value="2023">2023</option>

  <option value="2024">2024</option>

</select>
```

| <tr> |
 Languages Known:: | |☐ English
☐ Telugu☐ Hindi
| <tr> |
 Address | <td><textarea></textarea></td> || <tr> |
 | |

```
<input type="reset" value="Cancel"> </td>
</tr>
</table>
</form>
</body>
</html>
```

CATALOGUE:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title></title>
</head>
<body>
<a href="catpage.html" target="f32">Catalogue</a>
</body>
</html>
```

CATALOGUE PAGE:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body>
<form>
<table border=1>
<tr>
<td></td>
<td> Book: XML Bible <br>
Author : Winston<br>
Publication: Wiedy
```



```

&nbsp; &nbsp;<br> </td>
<td>$40.5 </td>
<td><input type="image" src="images/addToCart.jpg" width="150" height="70"></td>
</tr>
<tr>
<td></td>
<td> Book: AI <br>
Author : S Russel<br>
Publication: Princeton hall
&nbsp; &nbsp;<br> </td>
<td>$63 </td>
<td><input type="image" src="images/addToCart.jpg" width="150" height="70"></td>
</tr>
<tr>
<td></td>
<td> Book: XML Bible <br>
Author : Watson<br>
Publication: BPB Publications
&nbsp; &nbsp;<br> </td>
<td>$35.5 </td>
<td><input type="image" src="images/addToCart.jpg" width="150" height="70"></td>
</tr>
<tr>
<td></td>
<td> Book: HTML in 24 hours <br>
Author : Sam Peter<br>
Publication: Sam
&nbsp; &nbsp;<br> </td>
<td>$50 </td>
<td><input type="image" src="images/addToCart.jpg" width="150" height="70"></td>
</tr>
</table>
</form>
</body>
</html>

```

CART:

```
<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title></title>

</head>

<body>

<a href="cartpage.html" target="f32">Cart</a>

</body>

</html>
```

CART PAGE:

```
<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title></title>

</head>

<body>

<h1 align="center">Shopping Cart</h1>

<form>

<table align="center" cellpadding="20px">

<tr>

<th>Product</th>

<th>Description</th>

<th>Price</th>

<th>Quantity</th>

<th>Subtotal</th>

</tr>

<tr>

<td></td>

<td>Book : HTML in 24 hours <br>Author : Sam Peter</td>
```

```

<td>$50</td>
<td><input type="text" size="2" value="1" readonly /></td>
<td>$50</td>
</tr>
<tr>
<td></td>
<td>Book : AI <br>Author : S Russel </td>
<td>$63 </td>
<td><input type="text" size="2" value="1" readonly /></td>
<td>$63 </td>
</tr>
<tr>
<th colspan="2">Promotion Code</th>
<th colspan="3">Cart Totals</th>
</tr>
<tr>
<td colspan="2"><input type="text" placeholder="Coupon code" /> &nbsp;  <input type="button"
value="Apply Coupon" /></td>
<th colspan="2">Subtotal</th>
<td>$113</td>
</tr>
<tr>
<td colspan="2"></td>
<th colspan="2">Total</th>
<th>$113</th>
</tr>
<tr>
<td colspan="5" align="right"><input type="button" value="Proceed to Checkout" /></td>
</tr>
</table>
</form>
</body>
</html>

```

BRANCHES:

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title></title>

</head>

<body>

CSE

IT

AIML

DS

</body>

</html>

EXERCISE – 2

REGESTATION:

```
<!DOCTYPE html>

<html>

<head>

<title>Validation</title>

<script type="text/javascript">

function checkValidation() {

    var name,re_name,pass,cpass,re_pass,mailid,re_mailid,phno,re_phno;

    name=document.reg.username.value;

    pass=document.reg.pwd.value;

    cpass=document.reg.cpwd.value;

    mailid=document.reg.email.value;

    phno=document.reg.phno.value;

    re_name=new RegExp("^[A-Za-z]+$");

    re_pass=new RegExp("^[A-Za-z0-9]+$");

    re_mailid=new RegExp("^[A-Za-z0-9]+[. _]?[A-Za-z0-9]+@{1}[A-Za-z0-9]+.com$");

    re_phno=new RegExp("\\d{10}");

    if (name.match(re_name) && name.length>=6) {

    if (pass.match(re_pass) && pass.length>=6) {

    if (pass==cpass) {

    if (mailid.match(re_mailid)) {

    if (phno.match(re_phno) && phno.length==10) {

        window.alert("Enter details are valid.");

    }

    else{

        window.alert("Invalid phone number.");

        document.reg.phno.focus();

    }

    }

    else{

        window.alert("Invalid E-mail ID.");

        document.reg.email.focus();

    }

    }

    }
```

```
else{
    window.alert("Password and Confirm password must be same.");
    document.reg.cpwd.focus();
}
}

else{
    window.alert("Invalid password.");
    document.reg.pwd.focus();
}
}

else{
    window.alert("Invalid user name.");
    document.reg.uname.focus();
}
}

</script>
</head>
<body>
<form name="reg">
<h1 align="center"> REGISTRATION </h1>
<table align="center" cellspacing="10">
<tr>
<td>Name</td>
<td> <input name="uname" type="text"> </td>
</tr>
<tr>
<td>Password</td>
<td> <input name="pwd" type="password"> </td>
</tr>
<tr>
<td>Confirm Password</td>
<td> <input name="cpwd" type="password"> </td>
</tr>
<tr>
<td> E-mail ID </td>
<td> <input name="email" type="text"> </td>
```

$\langle \text{tr} \rangle$	
 Phone Number | || <tr> |
[illegible]

EXERISE - 3

AIM: Develop and demonstrate the usage of inline, internal and external style sheet using CSS

Inline:

```
<html>
<head>
  <title>Inline CSS Example</title>
</head>
<body>
  <h1 style="color: blue; text-align: center;">This is an Inline CSS Example</h1>
  <p style="color: red;">This paragraph has inline styling applied.</p>
</body>
</html>
```

Internal:

```
<html>
<head>
  <title>Internal CSS Example</title>
  <style>
    body {
      background-color: #e0f7fa;
    }
    h1 {
      color: red;
      text-align: center;
    }
    p {
      font-size: 16px;
      color: purple;
    }
  </style>
</head>
<body>
  <h1>This is an Internal CSS Example</h1>
  <p>This paragraph uses internal styling.</p>
</body>
</html>
```


Styles:

```
body {  
    background-color: #e0f7fa;  
}  
  
h1 {  
    color: darkgreen;  
    text-align: center;  
}  
  
p {  
    font-size: 18px;  
    color: darkred;  
}
```

External:

```
<html>  
<head>  
    <title>External CSS Example</title>  
    <link rel="stylesheet" type="text/css" href="styles.css">  
</head>  
<body>  
    <h1>This is an External CSS Example</h1>  
    <p>This paragraph uses external styling.</p>  
</body>  
</html>
```

EXERISE - 4

Aim: Design a HTML having a text box and four buttons viz Factorial, Fibonacci, Prime, and Palindrome. When a button is pressed an appropriate javascript function should be called to display

- Factorial of that number
- Fibonacci series up to that number
- Prime numbers up to that number
- Is it palindrome or not

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<title>JS Functions</title>
```

```
<script type="text/javascript">
```

```
var result;
```

```
//Validating input data
```

```
function validate() {
```

```
var num = document.ip.num.value;
```

```
var re_num = new RegExp("[0-9]+$", "g");
```

```
if(num.match(re_num)){
```

```
    return parseInt(num);
```

```
}else{
```

```
    return false;
```

```
}
```

```
}
```

```
//Find factorial of given number
```

```
function factorial(){
```

```
var val = validate();
```

```
if(val){
```

```
    result = 1;
```

```
    for (var i=1; i<=val; i++) {
```

```
        result *= i;
```

```
    }
```

```
    document.getElementById('result').innerHTML="Factorial of given number is "+result;
```

```
}else{
```

```

        window.alert("Invalid input");
    }
}
//Find fibonacci within range
function fibonacci(){
    var val = validate();
    if(val){
        result = "Fibonacci Sequence is<br>0 1";
        var n1=0,n2=1,n3=n1+n2;
        while(n3<=val){
            result = result+" "+n3;
            n1 = n2;
            n2 = n3;
            n3 = n1+n2;
        }
        document.getElementById('result').innerHTML=result;
    }else{
        window.alert("Invalid input");
    }
}
//Find primes within range
function prime() {
    var i,j;
    var val = validate();
    if(val){
        result = "Prime in given range<br>";
        for(i=2;i<=val;i++){
            for(j=2;j<=parseInt(i/2);j++){
                if(i%j==0)
                    break;
            }
            if(j>parseInt(i/2))
                result = result+" "+i;
        }
        document.getElementById('result').innerHTML=result;
    }else{

```

```

        window.alert("Invalid input");
    }
}
//Find whether number is palindrome or not
function palindrome(){
    var val = validate();
    if(val){
        var rev=0,temp = val;
        while(temp!=0){
            rev = rev*10+temp%10;
            temp=parseInt(temp/10);
        }
        if(rev==val){
            document.getElementById('result').innerHTML="Given number is Palindrome";
        }else{
            document.getElementById('result').innerHTML="Given number is not Palindrome";
        }
    }else{
        window.alert("Invalid input");
    }
}
</script>
</head>
<body>
<center>
    <form name="ip">
        <input type="text" name="num" placeholder="Enter Number" /><br><br>
        <input type="button" value="Factorial" onclick="factorial()" /> &nbsp;
        <input type="button" value="Fibonacci" onclick="fibonacci()" /> &nbsp;
        <input type="button" value="Prime" onclick="prime()" /> &nbsp;
        <input type="button" value="Palindrome" onclick="palindrome()" />
    </form><br>
    <div id="result" style="color: green;font-weight: bold;"></div>
</center>
</body>
</html>

```

EXERISE - 5

AIM: Write an XML file which will display the Book information which includes the following:

- i. Title of the book ii. Author Name iii. ISBN number iv. Publisher name
- v. Edition vi. Price

a) Write a Document Type Definition (DTD) to validate the above XML file.

b) Write a XML Schema Definition (XSD) to validate the above XML file.

BOOK STORE.XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE book_catalog SYSTEM "book_catalog.dtd">
<book_catalog>
  <book>
    <title>The Great Gatsby</title>
    <author>F. Scott Fitzgerald</author>
    <isbn>9780743273565</isbn>
    <publisher>Scribner</publisher>
    <edition>1st</edition>
    <price>10.99</price>
  </book>
  <book>
    <title>To Kill a Mockingbird</title>
    <author>Harper Lee</author>
    <isbn>9780061120084</isbn>
    <publisher>Spectrum</publisher>
    <edition>50th Anniversary Edition</edition>
    <price>14.99</price>
  </book>
</book_catalog>
```

BOOK STROE.DTD:

```
<!ELEMENT book_catalog (book+)>
<!ELEMENT book (title, author, isbn, publisher, edition, price)>
<!ELEMENT title (#PCDATA)>
<!ELEMENT author (#PCDATA)>
<!ELEMENT isbn (#PCDATA)>
<!ELEMENT publisher (#PCDATA)>
<!ELEMENT edition (#PCDATA)>
```

<!ELEMENT price (#PCDATA)>

OUTPUT:

BOOK STORE.XSD:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <!-- Define the 'book_catalog' element -->
  <xs:element name="book_catalog">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="book" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="title" type="xs:string"/>
              <xs:element name="author" type="xs:string"/>
              <xs:element name="isbn" type="xs:string"/>
              <xs:element name="publisher" type="xs:string"/>
              <xs:element name="edition" type="xs:string"/>
              <xs:element name="price" type="xs:decimal"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

EXERCISE – 6

AIM: User Authentication: Assume four users user1, user2, user3 and user4 having the passwords pwd1,pwd2,pwd3 and pwd4 respectively. Write a PHP for doing the following.

- i. Create a Cookie and add these four user ID's and passwords to this Cookie.
- ii. Read the user id and passwords entered in the Login form (week1) and authenticate with the values (user id and passwords) available in the cookies. If he is a valid user (i.e., user-name and password match) you should welcome him by name (user-name) else you should display "You are not an authenticated user"

LOGIN.PHP:

```
<?php
```

```
// Set cookies for users
```

```
setcookie("user1", "pwd1", time() + 3600, "/"); // Cookie for user1  
with password pwd1
```

```
setcookie("user2", "pwd2", time() + 3600, "/"); // Cookie for user2  
with password pwd2
```

```
setcookie("user3", "pwd3", time() + 3600, "/"); // Cookie for user3  
with password pwd3
```

```
setcookie("user4", "pwd4", time() + 3600, "/"); // Cookie for user4  
with password pwd4
```

```
//echo "Cookies set successfully for users.;"
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>User Authentication</title>
```

```
</head>
```

```
<body>
```

```
<h1 align="center">LOGIN</h1>
```

```
<form action="Auth.php" method="post">
```

```
<table align="center" cellspacing="10">
```

```
<tr>
```

```
<td><b>User ID</b></td>
```

```
<td><input name="uid" type="text"></td>
```

```
</tr>
```

```
</tr>
```

```
<td><b>Password</b></td></tr></table><br><table border=
```

AUTH.PHP:

```
<!DOCTYPE html>

<html>

<head>

<title>User Authentication</title>

</head>

<body>

<?php

if ($_POST["uid"]==$_COOKIE["uid1"] &&
$_POST["pwd"]==$_COOKIE["pwd1"]) {

echo "Welcome ".$_POST["uid"];

}

else if ($_POST["uid"]==$_COOKIE["uid2"] &&
$_POST["pwd"]==$_COOKIE["pwd2"]) {

echo "Welcome ".$_POST["uid"];

}

else if ($_POST["uid"]==$_COOKIE["uid3"] &&
$_POST["pwd"]==$_COOKIE["pwd3"]) {

echo "Welcome ".$_POST["uid"];

}
```



```
else if ($_POST["uid"]==$_COOKIE["uid4"] &&
$_POST["pwd"]==$_COOKIE["pwd4"]) {
echo "Welcome ";$_POST["uid"];
}
else{
echo "You are not an authenticated user.";
}

?>
</body>
</html>
```

EXERISE – 7

AIM: Install a database (Mysql or Oracle). Create a table which should contain at least the following fields: name, password, emailid, phone number (these should hold the data from the registration form). Write a PHP program to connect to that database and extract data from the tables and display them. Experiment with various SQL queries. Insert the details of the users who register with the web site, whenever a new user clicks the submit button in the registration page