**PRACTICAL – 1 (HTML)**

1. **Create a simple HTML Web Page Using Basic Tabs.**

<!DOCTYPE html>

<html>

<head >

<title>Practical 1.1</title>

</head>

<body bgcolor="#ffe4c4">

<h1>This is a First Header</h1>

<h2>This is a Second Header</h2>

<h3>This is a Third Header</h3>

<h4>This is a Fourth Header</h4>

<h5>This is a Fifth Header</h5>

<h6>This is a Sixth Header</h6>

<center><h2> Font Style Tags...<h2></center><hr color="black">

<ul type="circle">

<li><b> This line is Written in Bold. </b></li>

<li><i>This line is Written in Italic. </i></li>

<li><strong> This line is Written in strong tag. </strong></li>

<li><strike> This line is Written in strike tag. </strike></li>

</ul>

<center><h2> Text Formatting tags...<h2></center><hr color=black>

<div align="center">

<p>

<basefont face="Comic Sans MS" size="10" color="#7fffd4">

This&nbsp;is&nbsp;A&nbsp;Paragraph&nbsp;Tag,&nbsp;that&nbsp;is&nbsp;used&nbsp;To&nbsp;Create&nbsp;paragraphs&nbsp;on&nbsp;the&nbsp;Web&nbsp;Pages....

</p>

<pre> This line is used with the "pre" tag.</pre>

</div>

<center><h2>Image, Hyperlink and other Tags.. <h2><hr color=black>

<img src="1455543670409.jpg" width="300" height="200">

<a href="https://en.wikipedia.org/wiki/Software\_Engineering">About </a><br>

<em>-Pratik Sanghani&copy;</em></center>

</body>

</html>

**OUTPUT:**



1. **Design Table using HTML table tags.**

<!DOCTYPE html>

<html>

<head>

<title>Program 1.2</title>

</head>

<body>

<table border="1" align="center">

<tr>

<td>Quick</td>

<td colspan="2">brown fox</td>

<td>jumps</td>

</tr>

<tr>

<td rowspan="3">over the</td>

<td>lazy</td>

<td>dog</td>

<td>and</td>

</tr>

<tr>

<td>then</td>

<td>it</td>

<td>fall</td>

</tr>

<tr>

<td colspan="3">prey to a lion</td>

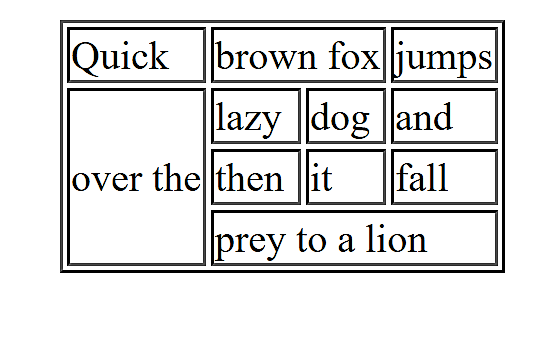
</tr>

</table>

</body>

</html>

**OUTPUT:**



1. **Create a simple HTML form.**

<!DOCTYPE html>

<html>

<head>

<title>Program 1.3</title>

</head>

<body>

<h1>Travel reservation form</h1>

<h3>\* denotes mandatory</h3>

<form method="post">

Full name\*:<br/>

<input type="text" placeholder="FirstName LastName" required ><br/>

Email address\*:<br/>

<input type="text" placeholder="EMAIL\_ADDRESS" required ><br/>

Select Tour Package\*:<br/>

<select>

<option>Goa</option>

<option>NewYork</option>

</select><br/>

Arrival date\*:<br/>

<input type="date" placeholder="m/d/y" required ><br/>

Number of persons\*:<br/>

<input type="text" placeholder="UNKNOWN\_TYPE" required ><br/>

What would you want to avail?\*<br/>

Boarding<input type="checkbox"><br/>

Foodding<input type="checkbox"><br/>

Sight seeing<input type="checkbox"><br/>

Discount Coupon code:<br/>

<input type="text" placeholder="UNKNOWN\_TYPE"><br/>

Terms and conditions\*<br/>

<input type="radio" name="r1">I agree

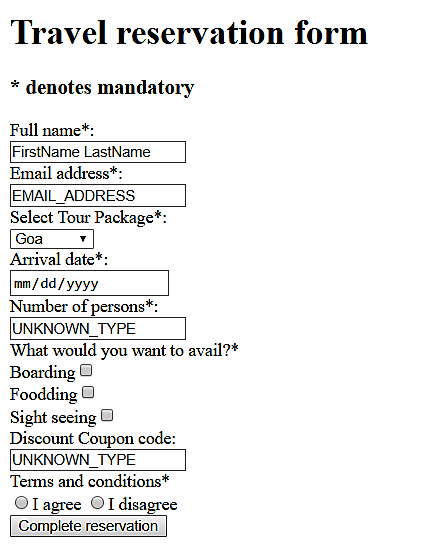
<input type="radio" name="r1">I disagree<br/>

<input type="submit" value="Complete reservation">

</table>

</form>

</body>

</html> 

**PRACTICAL-2 (XHTML)**

1. **WAP in html which demonstrate <frameset> and <frame> Tag.**

<!DOCTYPE html>

<html>

<head>

<title>Program 2.1</title>

</head>

<frameset cols="40%,\*">

<frame src="program1\_1.html"></frame>

<frameset rows="50%,\*">

<frame src="program1\_2.html"></frame>

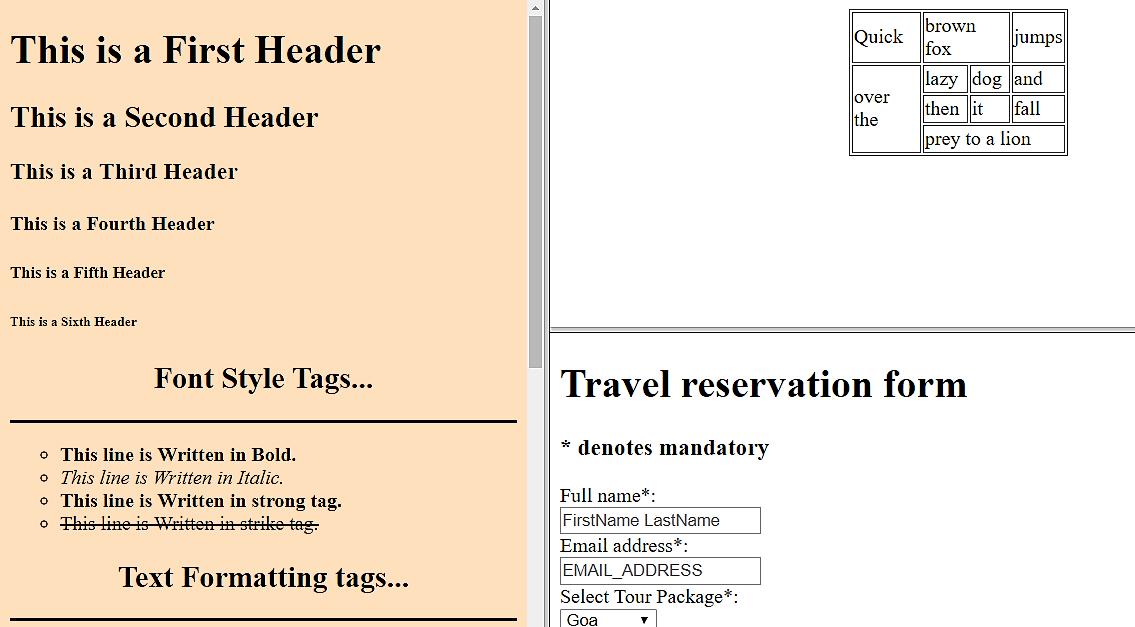
<frame src="program1\_3.html"></frame>

</frameset>

</frameset>

</html>

**OUTPUT:**



**PRACTICAL-3 (CSS)**

1. **WAP which execute all three types of CSS.**

**- Internal CSS**

**- External CSS**

**- Inline CSS**

* **style3\_1.css**

p#external {

font-family: 'Gigi', serif;

font-size:xx-large ;

text-decoration: wavy;

color: teal;

text-shadow: 2px 2px 2px;

}

* **program3\_1.html**

<!DOCTYPE html>

<html>

<head>

<title>Program 3.1</title>

<style>

p#internal{

font-family: "Berlin Sans FB";

font-size: 25px;

font-style: italic;

text-align: center;

text-transform: uppercase;

}

</style>

<link rel="stylesheet" href="style3\_1.css">

</head>

<body>

<p style="font-family: 'Comic Sans MS';font-size: 15px;color:

rebeccapurple;font-weight: bolder">

This is Inline CSS Style </p>

<p id="internal">This is Internal CSS Style</p>

<p id="external">This is External CSS Style</p>

</body>

</html>

**OUTPUT:**



1. **Create a CSS including following facilities.**

**- Background**

**- Text**

**- Font**

**- Border**

**- Margin**

**-Padding**

**-List**

**-Table**

<!DOCTYPE html>

<html>

<head>

<title>Program 3.2</title>

<style>

table,th,tr,td{

border: 1px solid;

border-collapse: separate;

font-family: "Comic Sans MS";

color: firebrick;

}

table{

margin: 50px auto;

}

th{

font-size: 20px;

text-shadow: 2px 2px 4px grey;

background:lightseagreen;

}

td{

font-size: 15px;

}

td,th{

padding: 8px 12px;

text-align: center;

}

tr:nth-child(even){

background: rgba(68,99,173,0.79);

}

tr:nth-child(odd){

background: skyblue;

}

</style>

</head>

<body>

<table>

<tr>

<th>Sr No.</th>

<th>Name</th>

<th>School</th>

</tr>

<tr>

<td>1</td>

<td>Pratik</td>

<td>VDVS</td>

</tr>

<tr>

<td>2</td>

<td>Sagar</td>

<td>G.M.</td>

</tr>

<tr>

<td>3</td>

<td>Divyesh</td>

<td>Dakshina</td>

</tr>

<tr>

<td>4</td>

<td>Shyam</td>

<td>S.P.</td>

</tr>

<tr>

<td>5</td>

<td>Harsh</td>

<td>B.M.</td>

</tr>

<tr>

<td>6</td>

<td>Pinakin</td>

<td>B.M.</td>

</tr>

</table>

</body>

</html>

**OUTPUT:**



**PRACTICAL-4 (JavaScript)**

1. **Write an HTML file with Javascript that finds position of first occurrence of vowel “a”, last occurrence of vowel “a” in a given word and returns the string between them. For example, ajanta- then script would return first occurrence of “a”-that is position 1 and last occurrence-6 and string between them is “jant”.**

<!DOCTYPE html>

<html>

<head>

<title>Practical 4.1</title>

</head>

<body>

<script type="text/javascript">

s = prompt("Enter A String...");

st = s.toLowerCase();

f = st.indexOf("a");

document.write("First Occurance of vowel 'a' is at "+(f+1)+"th Position");

document.write("<br>");

ls = st.lastIndexOf("a");

document.write("Last Occurance of vowel 'a' is at "+(ls+1)+"th Position");

document.write("<br>");

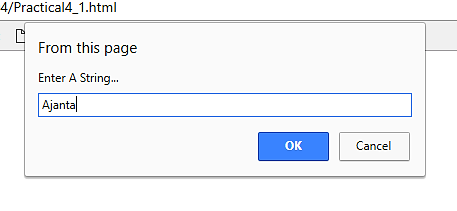
document.write( s.substring(f+1,l));

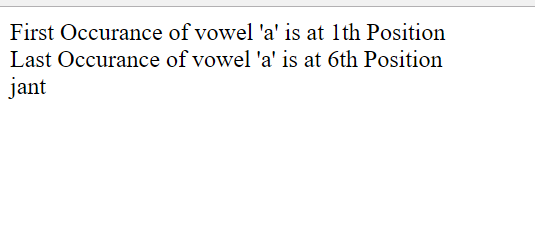
</script>

</body>

</html>

**OUTPUT:**



****

1. **Write a JavaScript that handles following mouse events. Add necessary elements. (i) If findtime button is clicked show time and date information. (ii) If button named “red” is clicked, background should change to red and If button named “green” is clicked, background should change to green.**

<!DOCTYPE html>

<html>

<head>

<title>Practical 4.2</title>

<script type="text/javascript">

function f1(){

alert(new Date());

}

function f2(){

document.body.style.backgroundColor="red";

}

function f3(){

document.body.style.backgroundColor="green";

}

</script>

</head>

<body>

<input type="submit" value="Date" onclick="f1();">

<input type="submit" value="Red" onclick="f2();">

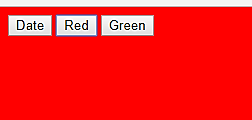
<input type="submit" value="Green" onclick="f3();">

</body>

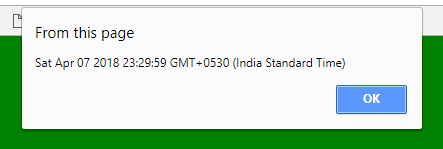
</html>

**OUTPUT:**









1. **Design an login form using HTML and JavaScript with following validations on password field : minimum length 8 characters, it should have some special character.**

<!DOCTYPE html>

<html>

<head>

<title>Practical 4.3</title>

<script type="text/javascript">

function validate(form) {

var username = form.Username.value;

var password = form.Password.value;

if (username.length === 0) {

alert("You Must Enter Username...");

return false;

}

if (password.length === 0) {

alert("You Must Enter Password...");

return false;

}

if (password.length<8) {

alert("Password must be of 8 Characters...");

return false;

}

if (password.indexOf("@")==-1) {

alert("Password must have special character...");

return false;

}

if (password.indexOf("$")==-1) {

alert("Password must have special character...");

return false;

}

if (password.indexOf("#")==-1) {

alert("Password must have special character...");

return false;

}

return true;

}

</script>

</head>

<body>

<h1>Login Form</h1>

<form method="POST" onsubmit="return validate(this);">

Username: <input type="text" name="Username"><br>

Password: <input type="password" name="Password"><br>

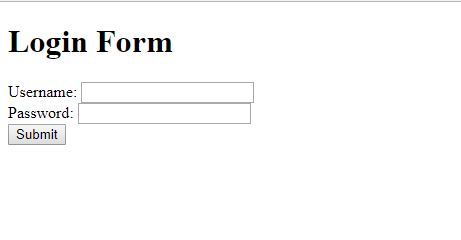
<input type="submit" value="Submit">

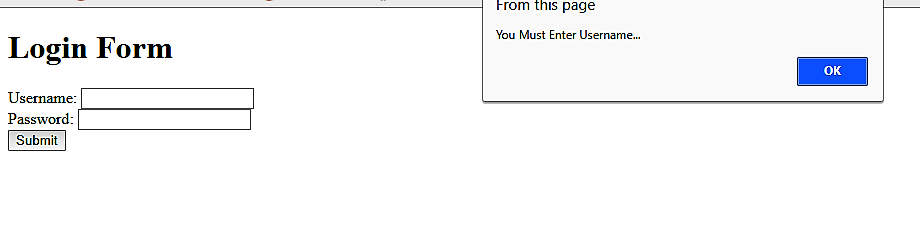
</form>

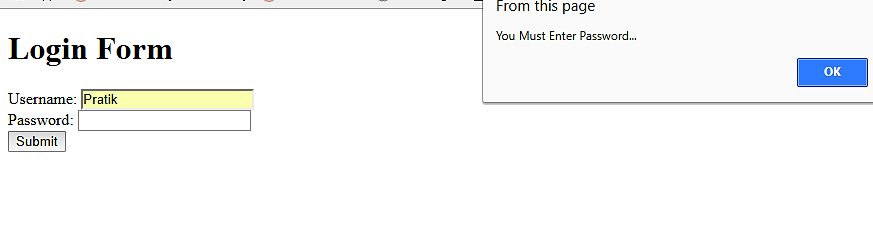
</body>

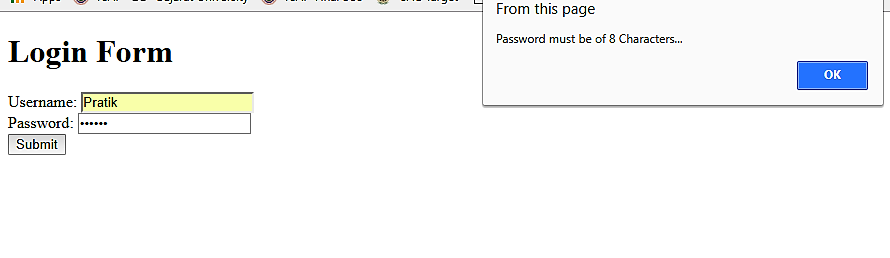
</html>

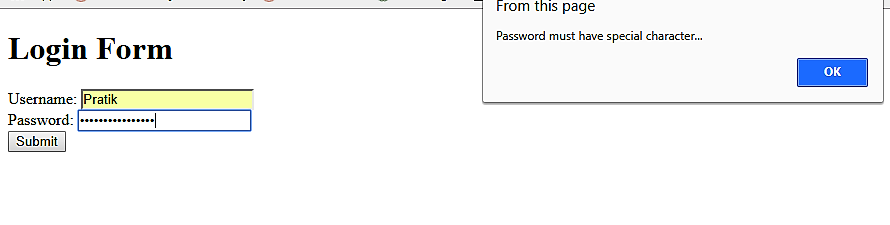
**OUTPUT:**











**PRACTICAL-5 (XML)**

1. **Create xml DTD file for Bank Account Holders (Account holder name, Account number, Bank branch, IfSC code) and apply CSS to all the attributes of Bank Account Holder.**

**Practical5\_1.dtd**

<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT BANK(ACCOUNT)\*>

<!ELEMENT ACCOUNT(Acc\_name,Acc\_no,Branch,IFSC\_no)>

<!ELEMENT Acc\_name(#PCDATA)>

<!ELEMENT Acc\_no(#PCDATA)>

<!ELEMENT Branch(#PCDATA)>

<!ELEMENT IFSC\_no(#PCDATA)>

**Practical5\_1.css**

BANK{

font-family: Arial, Helvetica, sans-serif;

color: brown;

font-size: 16pt;

}

ACCOUNT{

margin-top: 22pt ; margin-left: 20pt;

display: block;

font-family: Verdana, Geneva, Tahoma, sans-serif;

color: cornflowerblue;

font-size: 14pt;

}

Acc\_name{

display: block;

font-family: 'Times New Roman', Times, serif;

color: lightcoral;

font-size: 14pt;

}

Acc\_no{

font-size: 12pt;

font-family: 'Times New Roman', Times, serif;

color: mediumturquoise;

}

Branch,IFSC\_no{

display: block;

font-family: 'Times New Roman', Times, serif;

color: black;

font-size: 10pt;

margin-left: 20pt;

}

**Practical5\_1.xml**

<?xml version="1.0" encoding="UTF-8"?>

<?xml-stylesheet type="text/css" href="Practical5\_1.css"?>

<!DOCTYPE BANK SYSTEM "Practical5\_1.dtd">

<BANK>

<ACCOUNT>

<Acc\_name>Harvey Specter</Acc\_name>

<Acc\_no>64132318612</Acc\_no>

<Branch>Queens</Branch>

<IFSC\_no>KDLD6984235</IFSC\_no>

</ACCOUNT>

<ACCOUNT>

<Acc\_name>Mike Ross</Acc\_name>

<Acc\_no>61323946654</Acc\_no>

<Branch>Manhattan</Branch>

<IFSC\_no>PFDJ3287456</IFSC\_no>

</ACCOUNT>

<ACCOUNT>

<Acc\_name>Jessica Pearson</Acc\_name>

<Acc\_no>34844354646</Acc\_no>

<Branch>Brooklyn</Branch>

<IFSC\_no>NFKS9536412</IFSC\_no>

</ACCOUNT>

<ACCOUNT>

<Acc\_name>Rachel Zane</Acc\_name>

<Acc\_no>66439465465</Acc\_no>

<Branch>29th Street</Branch>

<IFSC\_no>IEJS5605461</IFSC\_no>

</ACCOUNT>

</BANK>

**OUTPUT:**



1. **Create XML Schema file For Student (Name, Address, Standard, Percentage).**

**Practical5\_2.xsd**

<?xml version="1.0"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="Student">

<xs:complexType>

<xs:sequence>

<xs:element name="Name" type="xs:string"/>

<xs:element name="Address" type="xs:string"/>

<xs:element name="Std" type="xs:string"/>

<xs:element name="Per" type="xs:decimal"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

**Practical5\_2.xml**

<?xml version="1.0" encoding="UTF-8"?>

<Student xmlns:xsi=<http://www.w3.org/2001/XMLSchema-instance> xsi:noNamespaceSchemaLocation="Practical5\_2.xsd">

<Name>Elena Gilbert</Name>

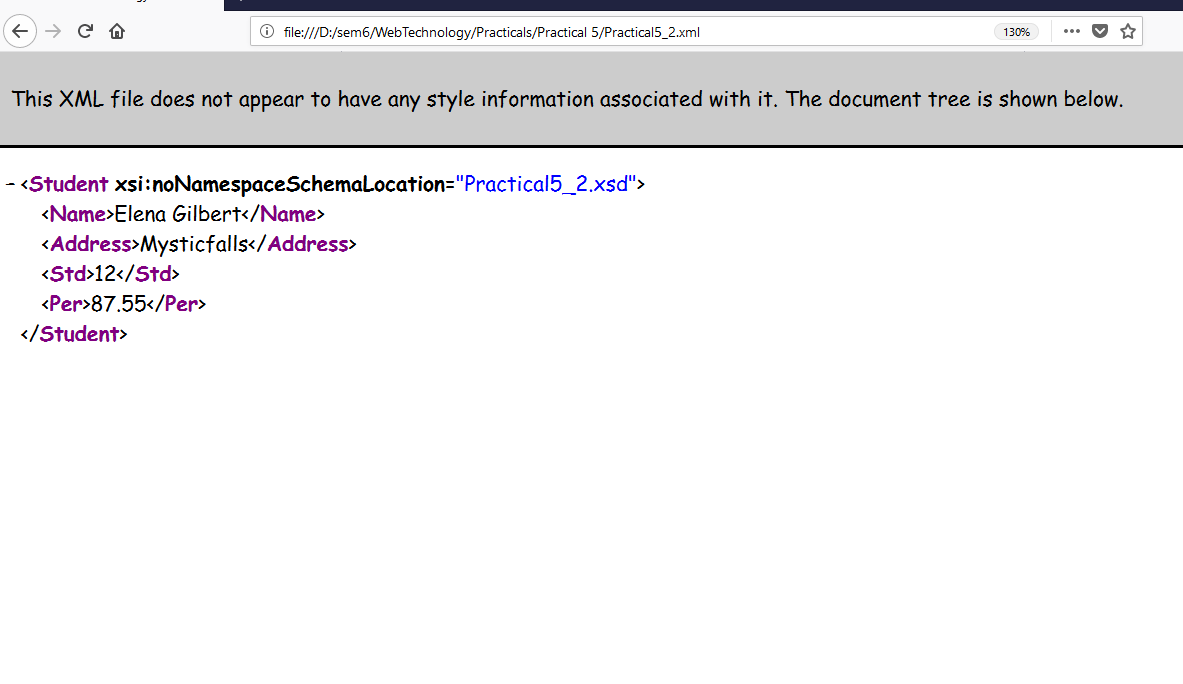
<Address>Mysticfalls</Address>

<Std>12</Std>

<Per>87.55</Per>

</Student>

**OUTPUT:**

****

**PRACTICAL-6 (PHP)**

1. **Write module using HTML and PHP to store information of employee (employee id, job title, year of experiences) in an array. And output the data in webpage by arranging the employees in ascending order of experience.**

**Practical6\_1.html**

<!DOCTYPE html>

<html>

<head>

<title>Practical 6.1</title>

</head>

<body>

<form method="POST" action="http://localhost/wt\_prac/Practical6\_1.php">

<p>Enter Employee ID</p>

<input name="empID[]" size="5" type="text">

<input name="empID[]" size="5" type="text">

<input name="empID[]" size="5" type="text">

<input name="empID[]" size="5" type="text">

<p>Enter Job Title</p>

<input name="jobTitle[]" size="20" type="text">

<input name="jobTitle[]" size="20" type="text">

<input name="jobTitle[]" size="20" type="text">

<input name="jobTitle[]" size="20" type="text">

<p>Enter Years of Experience</p>

<input name="yrsExp[]" size="2" type="text">

<input name="yrsExp[]" size="2" type="text">

<input name="yrsExp[]" size="2" type="text">

<input name="yrsExp[]" size="2" type="text">

<input type="submit" value="Submit">

</form>

</body>

</html>

**Practical6\_1.php**

<html>

<head>

<title>Employee List</title>

</head>

<body>

<table border="6" align="center">

<tr>

<th>Emp Id</th>

<th>Job Title</th>

<th>Years</th>

</tr>

<?php

$empID = $\_POST['empID'];

$jobTitle = $\_POST['jobTitle'];

$array = $\_POST['yrsExp'];

$array = array\_map(create\_function('$value','return (int)$value;'),$array);

$arr = array();

for ($i=0; $i < count($empID); $i++) {

$arr[$i]['id']=$empID[$i];

$arr[$i]['title']=$jobTitle[$i];

$arr[$i]['years']=$array[$i];

}

$result = sortTwoDArray($arr,'years');

function sortTwoDArray($arr,$arrKey,$sortOrder=SORT\_ASC)

{

foreach ($arr as $key => $row) {

$key\_arr[$key] = $row[$arrKey];

}

array\_multisort($key\_arr,$sortOrder,$arr);

return $arr;

}

for ($i=0; $i < count($empID); $i++) {

print "<tr>";

print "<td>";

echo $result[$i]['id'];

print "</td>";

print "<td>";

echo $result[$i]['title'];

print "</td>";

print "<td>";

echo $result[$i]['years'];

print "</td>";

print "</tr>";

}

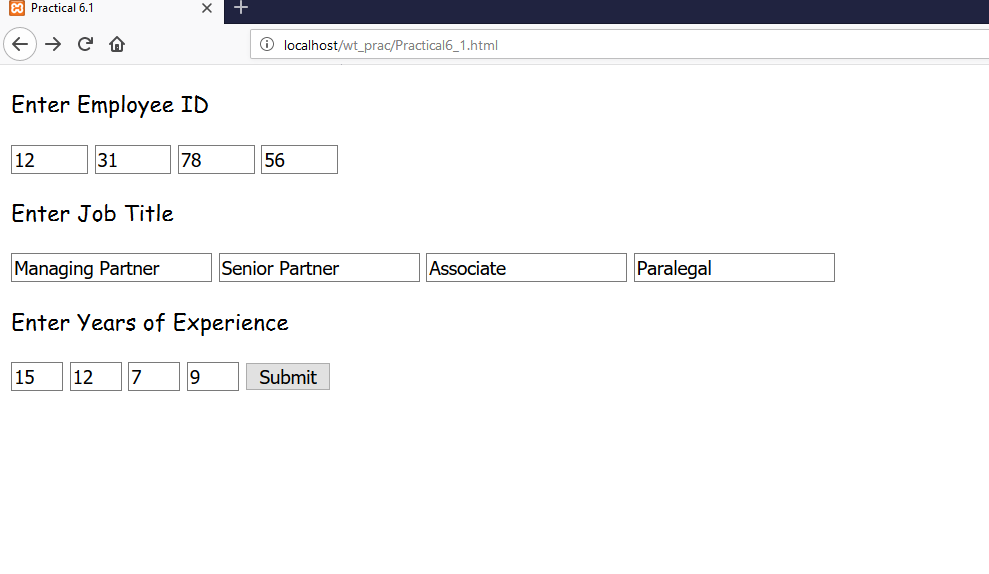
?>

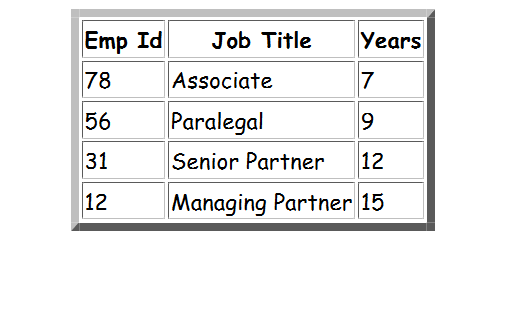
</table>

</body>

</html>

**OUTPUT:**



****

1. **Write PHP programs   
   1. To print whether current year is leap year or not.   
   2. To print whether given number is odd or even.**
2. **Practical6\_2\_1.php**

<html>

<head>

<title>Leap Year Demo</title>

</head>

<body>

<?php

$year = 2018;

print "<br>";

if($year % 4 == 0)

{printf("Year %d is a leap year...",$year);}

else

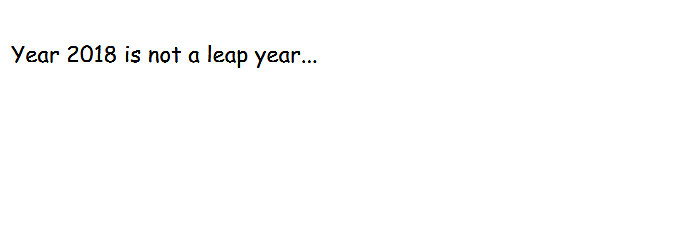
{printf("Year %d is not a leap year...",$year);}

?>

</body>

</html>

**OUTPUT:**



1. **Practical6\_2\_1.php**

<html>

<head>

<title>Even Odd Demo</title>

</head>

<body>

<?php

for ($i=1; $i <= 10; $i++) {

$num = $i;

print "<br>";

if ($num % 2 == 1) {

printf("Number %d is Odd...",$num);

} else {

printf("Number %d is Even...",$num);

}

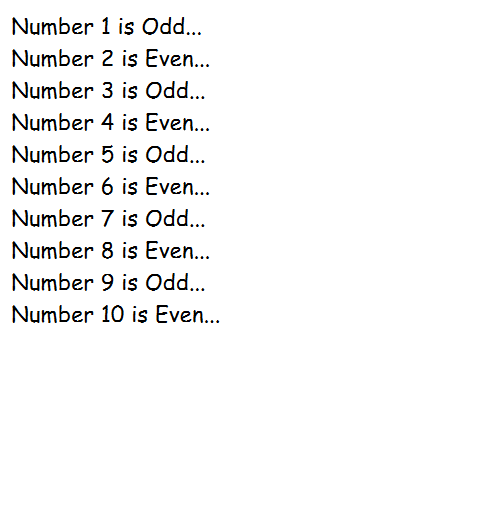
}

?>

</body>

</html>

**OUTPUT:**



1. **Create a database called country and create table called city having fields (city name, area, population) using PHP commands. Create an HTML form to get the city data and write a script to insert data into the table.**

**Practical6\_3.html**

<!DOCTYPE html>

<html>

<head>

<title>Insert Data</title>

</head>

<body>

<form method="POST" action="http://localhost/wt\_prac/Practical6\_3.php">

<table align="center" border="3">

<tr>

<td>City Name:</td>

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

</tr>

<tr>

<td>City Area:</td>

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

</tr>

<tr>

<td>City Population:</td>

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

</tr>

<tr>

<td colspan="2" align="center"><input type="submit" value="Submit"></td>

</tr>

</table>

</form>

</body>

</html>

**Practical6\_3.php**

<html>

<head>

<title>City Data</title>

</head>

<body>

<table border="6" align="center">

<tr>

<th>City Name</th>

<th>Area</th>

<th>Population</th>

</tr>

<?php

$conn = mysql\_connect("localhost","root","");

if (!$conn) {

die('<center><br>error in connection'.mysql\_error().'</center>');

}

if (mysql\_query("CREATE DATABASE country",$conn)) {

print "<center><br>Database Created...</center>";

} else {

print "<center><br>Error creating database:".mysql\_error()."</center>";

}

mysql\_select\_db("country",$conn);

$query = "CREATE TABLE city(cityname VARCHAR(20),

area VARCHAR(20),population VARCHAR(20))";

if (mysql\_query($query,$conn)) {

print "<center><br>Table Created...</center>";

} else {

print "<center><br>Error creating table :".mysql\_error()."</center>";

}

$query = "INSERT INTO city

VALUES('$\_POST[Name]','$\_POST[Area]','$\_POST[Population]')";

mysql\_query($query,$conn);

print "<center><br>Data Inserted...</center><hr>";

$result = mysql\_query("SELECT \* FROM city");

while ($row = mysql\_fetch\_array($result)) {

print "<tr>";

print "<td>";

echo $row['cityname'];

print "</td>";

print "<td>";

echo $row['area'];

print "</td>";

print "<td>";

echo $row['population'];

print "</td>";

print "</tr>";

}

mysql\_close($conn);

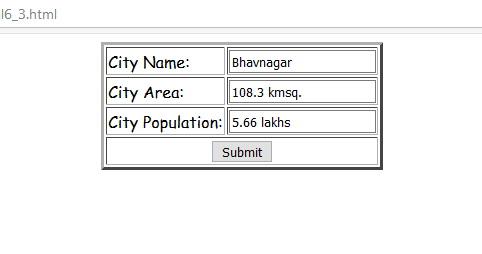
?>

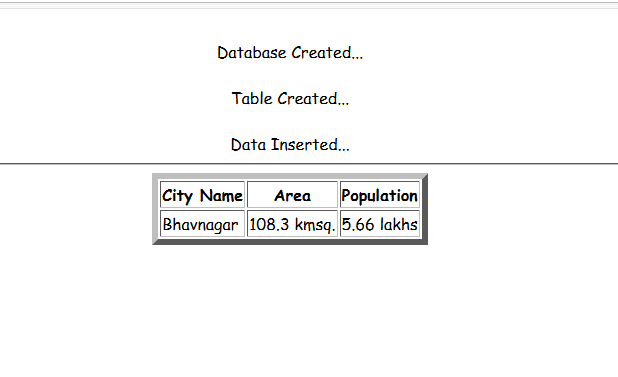
</table>

</body>

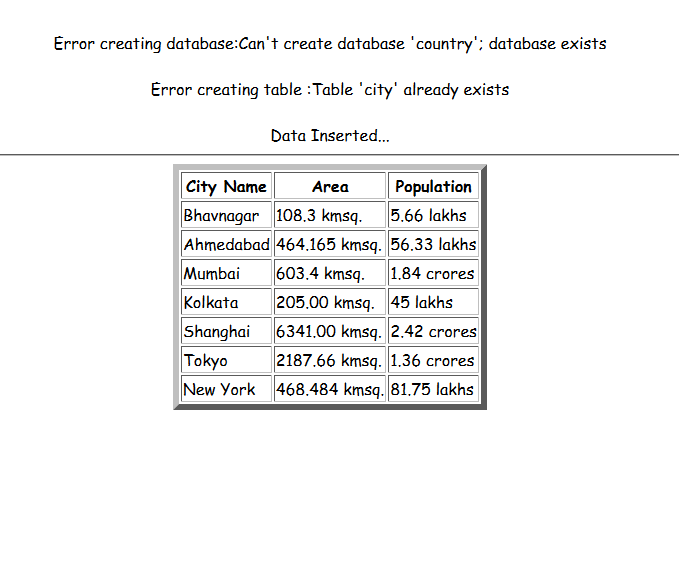
</html>

**OUTPUT:**

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**Practical6\_3.php**

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