



Parul University

**FACULTY OF ENGINEERING AND TECHNOLOGY
BACHELOR OF TECHNOLOGY**

**WEB PROGRAMMING LABORATORY
(203105354)**

SEMESTER V

**COMPUTER SCIENCE AND
ENGINEERING DEPARTMENT**

Laboratory Manual

WEB PROGRAMMING LABORATORY PRACTICAL BOOK



CERTIFICATE

This is to certify that **Ms. Khushi Ranjan** with enrollment no. **2003031051149** has successfully completed his/her laboratory experiments in the **WEB PROGRAMMING LABORATORY (203105354)** from the department of Computer Science & Engineering during the academic year 2021-22.



Date of Submission:

Staff In charge:

Head Of Department:



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| Sr. No | Experiment Title | Page no. | | Date of Start | Date of Complete | Sign | Marks | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--|---------------------|-------------|---------------|------------------|------|-------|-------|-------------|------|-------------------|--------|-----|-----|------------------|--------|------|-------------------|--------|-----|------|-------------------|--------|--------|---------------------|--------|--|--|--|--|--|
| | | FROM | TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Create a web page containing resume with the help of basic HTML tags. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Create a webpage to demonstrate working of ordered, unordered and nested list. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Create the given table. <div><table><tr><th colspan="4">Work Contact Points</th></tr><tr><th>Name</th><th>Email</th><th>Phone</th><th>Floor/Block</th></tr><tr><td>Fred</td><td>fred@megacorp.com</td><td>123456</td><td rowspan="2">1/A</td></tr><tr><td>Jon</td><td>jon@megacorp.com</td><td>234567</td></tr><tr><td>Bill</td><td>bill@megacorp.com</td><td>345678</td><td rowspan="3">3/C</td></tr><tr><td>Jane</td><td>jane@megacorp.com</td><td>777444</td></tr><tr><td>Alison</td><td>alison@megacorp.com</td><td>888652</td></tr></table></div> | Work Contact Points | | | | Name | Email | Phone | Floor/Block | Fred | fred@megacorp.com | 123456 | 1/A | Jon | jon@megacorp.com | 234567 | Bill | bill@megacorp.com | 345678 | 3/C | Jane | jane@megacorp.com | 777444 | Alison | alison@megacorp.com | 888652 | | | | | |
| Work Contact Points | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name | Email | Phone | Floor/Block | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fred | fred@megacorp.com | 123456 | 1/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jon | jon@megacorp.com | 234567 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bill | bill@megacorp.com | 345678 | 3/C | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jane | jane@megacorp.com | 777444 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alison | alison@megacorp.com | 888652 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 1. Using Frames Divide the web page as follows <div><div>This is a header.</div><div><div>Look in the box at the right for some information.</div><div>Here is some information.</div></div><div>This is a footer.</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Create a HTML5 webpage which shows the use of Canvas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Create a HTML5 webpage which shows the use of Audio & Video. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Create a student registration form using the following tags <form>, <input>, <textarea>, <button>,<select>, <option>. The registration form must consist of following information: Firstname, Middlename, Lastname, Gender, Address, Phone No., Email id, Hobbies, City, State, Country, College Name. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| | | | | | | | |
|----|--|--|--|--|--|--|--|
| 8 | Create a HTML5 webpage which shows the use of Geolocation. | | | | | | |
| 9 | Apply inline, internal and external style-sheet for the student registration form. | | | | | | |
| 10 | Implement 2D transformation on webpage. | | | | | | |
| 11 | To create an HTML page to explain the use of various predefined functions in an array & Date object in Javascript. | | | | | | |
| 12 | Write a program to show use of Alert, Confirm and Prompt box. | | | | | | |
| 13 | a) Write a javascript to find highest from given three values. b) Write Javascript to calculate factorial of n. | | | | | | |
| 14 | a) Write Javascript to calculate sum of 1 to n. b) Write Javascript to check whether given number is palindrome or not. | | | | | | |
| 15 | Write a Javascript program to print current date & time. | | | | | | |
| 16 | Create CD Catalogue Table in XML and display it using XSL Style Sheet. | | | | | | |
| 17 | Creating the javascript file to handle our Json. | | | | | | |
| 18 | Write a PHP code to print your personal details. | | | | | | |
| 19 | Write a PHP code to show the use of Decision Making and find out if given number is prime or not prime. | | | | | | |
| 20 | Write a PHP code for database connection with MySQL and also perform insert and delete . | | | | | | |



PRACTICAL: 1

Aim: Create a web page containing resume with the help of basic HTML tags.

CODE :

```
<html>
  <body>
    <div>

<br><br>
<h1>Resume</h1>
<h2>Khushi Ranjan</h2>
<hr />
<br>
<p >Interests</p>
<ul>
  <li>Web Developing</li>
  <li>Fashion</li>
  <li>Design</li>
  <li>Programming</li>
  <li>Computer Science</li>
</ul>
<p >Skills</p>
<ul>
  <li>Web Design with HTML </li>
</ul>
<p >Education</p>
<ul>
  <li>Parul University</li>
```



```
</ul>

<p>Experience</p>

<ul>

  <li>3 years</li></ul>

<p>Extracurriculars</p>

<ul>

  <li>Fashion club</li>

  <li>Web development bootcamp</li>

</ul>

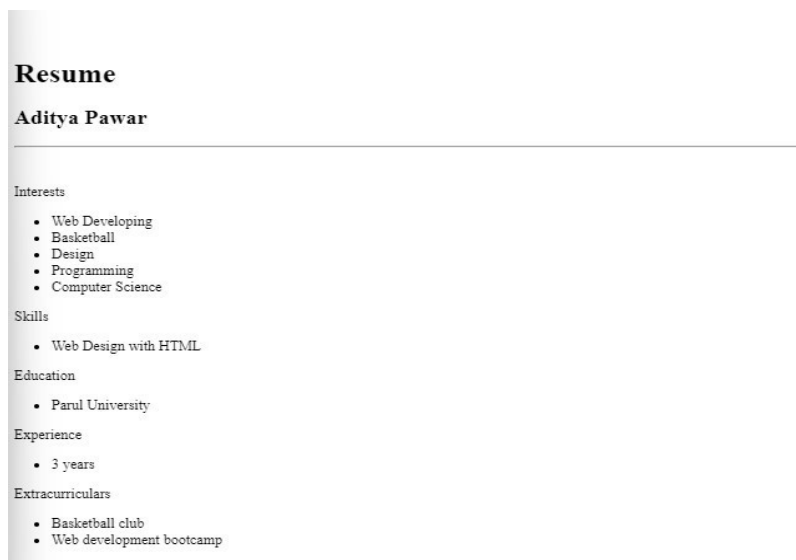
</div>

<div></div>

</body>

</html>
```

OUTPUT :-





PRACTICAL -2

Aim: Create a web page to display the Restaurant menu using ordered, unordered and nested list.

CODE:-

```
<!DOCTYPE html>
<html>
<body>
<h2> Restaurant Menu </h2>
<ol>
<li><h3> Italian </h3></li>
<ul>
<li> Red pasta- 200 </li>
<li>White pasta- 250 </li>
<li>Pizza - 300 </li>
</ul>
<li><h3> Chinese </h3></li>
<ul>
<li> Hakka Noodles - 200 </li>
<li>Spring rolls - 100 </li>
<li> Cheese chilly - 250 </li>
</ul>
</ol>
</body>
</html>
```



OUTPUT:-

Restaurant Menu

1. Italian

- Red pasta- 200
- White pasta- 250
- Pizza - 300

2. Chinese

- Hakka Noodles - 200
- Spring rolls - 100
- Cheese chilly - 250

PRACTICAL -3

Aim: Create the below given table.

| Work Contact Points | | | |
|---------------------|---------------------|--------|-------------|
| Name | Email | Phone | Floor/BLOCK |
| Fred | fred@megacorp.com | 123456 | 1/A |
| Jon | jon@megacorp.com | 234567 | |
| Bill | bill@megacorp.com | 345678 | 3/C |
| Jane | jane@megacorp.com | 777444 | |
| Alison | alison@megacorp.com | 888652 | |

CODE:-

```
<!DOCTYPE html>
<html>
<head>
<title>Table</title>
<style type="text/css">
table,tr,td,th {border: 1px solid black;text-align: center;}
td.blue {background: #00fff2;}
td.yellow {background: #ffc814;}
</style>
</head>
<body>
<table>
<tr style="font-weight: bold;">
<td colspan="4">Work Contact Points</td>
</tr>

<tr style="font-weight: bold;">
<td>Name</td>
<td>Email</td>
<td>Phone</td>
<td>Floor/BLOCK</td>
</tr>

<tr>
<td class="yellow">Fred</td>
<td class="blue">fred@megacorp.com</td>
<td class="yellow">123456</td>
<td rowspan="2" style="background: #07bbed;">1/A</td>
</tr>

</tr>
```



```
<tr>
<td class="blue">Jon</td>
<td class="yellow">jon@megacorp.com</td>
<td class="blue">234567</td>
</tr>

<tr>
<td class="yellow">Bill</td>
<td class="blue">bill@megacorp.com</td>
<td class="yellow">345678</td>
<td rowspan="3" style="background: #562ab7;">3/C</td>
</tr>

<tr>
<td class="blue">Jane</td>
<td class="yellow">jane@megacorp.com</td>
<td class="blue">777444</td>
</tr>

<tr>
<td class="yellow">Alison</td>
<td class="blue">alison@megacorp.com</td>
<td class="yellow">888652</td>
</tr>
</table>
</body>
</html>
```

OUTPUT:-

| Work Contact Points | | | |
|---------------------|---------------------|--------|-------------|
| Name | Email | Phone | Floor/BLOCK |
| Fred | fred@megacorp.com | 123456 | 1/A |
| Jon | jon@megacorp.com | 234567 | |
| Bill | bill@megacorp.com | 345678 | 3/C |
| Jane | jane@megacorp.com | 777444 | |
| Alison | alison@megacorp.com | 888652 | |



PRACTICAL -4

Aim: Using Frames Divide the web page as follows

CODE:-

```
<!DOCTYPE html>

<html>
<head>
<title>Frames</title>
</head>
<frameset rows="25%,50%,25%" >
<frame src="header.html"></frame>
<frameset cols="40%,*">
<frame src="frame1.html"></frame>
<frame src="frame2.html"></frame>
</frameset>
<frame src="footer.html"></frame>
</frameset>
<body>
</body>
</html>
```

header.html

```
<!DOCTYPE html>
<html>
<head>
<title>Header</title>
</head>
<body>
<h1>This is a header.</h1>
</body>
</html>
```

footer.html

```
<!DOCTYPE html>
<html>
<head>
<title>Footer</title>
</head>
<body>
```



```
<h1>This is a footer.</h1>
```

```
</body>
```

```
</html>
```

frame1.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>frame 1</title>
```

```
</head>
```

```
<body>
```

```
<h4>Look in the box at<br>the right for some<br>information.</h4>
```

```
</body>
```

```
</html>
```

frame2.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>frame 2</title>
```

```
</head>
```

```
<body>
```

```
<h4>Here is some information.</h4>
```

```
</body>
```

```
</html>
```

OUTPUT:-

This is a header.

| | |
|--|---------------------------|
| Look in the box at the right for some information. | Here is some information. |
|--|---------------------------|

This is a footer.



PRACTICAL -5

Aim: Create a HTML5 web page which shows the use of Canvas

CODE:-

```
<html>

<head>

<script type = "text/javascript">function drawShape()

{
var canvas = document.getElementById('Rectangle_0');if
(canvas.getContext)
{
var aa = canvas.getContext('2d');
aa.beginPath(); aa.moveTo(45,60);
aa.quadraticCurveTo(5,5,5,12.5);
aa.quadraticCurveTo(25,80,40,90);
aa.quadraticCurveTo(40,90,100,100);
aa.quadraticCurveTo(30,30,120,120);
aa.stroke();
}
}

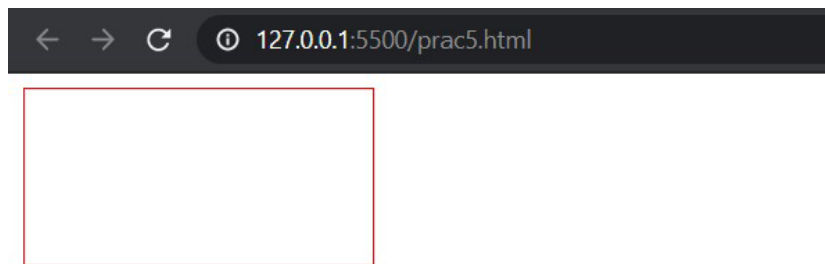
</script>

</head>
```



```
<body onload = "drawShape();">  
<canvas id = "Rectangle_0" height = "200" width = "200" style="border:1px solid black;"></canvas>  
</body>  
</html>
```

Output :





PRACTICAL -6

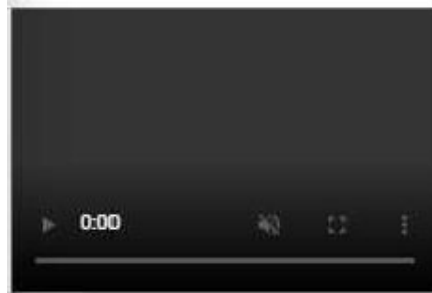
Aim: Create a HTML5 web page which shows the use of Audio & Video.

CODE:-

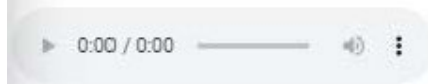
```
<html>
<head>
  <title>Title of the document</title>
  <style>
    video {
      width: 300px;
      height: 200px;
      border: 1px solid #666;
    }
  </style>
</head>
<body>
  <video controls muted src="/build/videos/arcnet.io(7-sec).mp4">
    <track default kind="subtitles" srclang="en" src="/build/videos/arcnet.io(7-sec).mp4" />
  </video>
  <p>
    Used a Video tag
  </p>
  <audio controls>
    <source src="/build/audios/jingle_bells.ogg" type="audio/ogg">
    <source src="/build/audios/audio.mp3" type="audio/mpeg">
  </audio>
  <p>Used a audio tag</p>
</body></html>
```



OUTPUT:-



Used a Video tag



Used a audio tag



PRACTICAL -7

Aim: Create a student registration form using the following tags <form>, <input>, <text area>, <button>, <select>, <option> The registration form consist of following information: First Name, Middle Name, Last Name, Gender (use radio button), Address, Phone No., email id, Hobbies (use checkbox), City, State, Country, College Name (use dropdown menu)

CODE:-

```
<html>
<body>
<form>
  <table>
    <tr>
      <td>
        <label for="uname">Name</label>
      </td>
      <td>
        <input type="text" id="uname" name="username">
      </td>
    </tr>
    <tr>
      <td>
        <label for="uemail">Email</label>
      </td>
      <td>
        <input type="text" id="uemail" name="usermail">
        <button type="button">Check</button>
      </td>
    </tr>
  </table>
</form>
```



```
<td>

    <label for="age">Age</label>

</td>

<td>

    <input type="text" name="userage" id="age" size="2" maxlength="2">

</td>

</tr>

<tr>

<td>

    <label>Country</label>

</td>

<td>

    <input type="text" value="India" name="country" disabled>

</td>

</tr>

<tr>

<td>

    <label for="pass">Password</label>

</td>

<td>

    <input type="password" id="pass">

</td>

</tr>

<tr>

<td>

    <label for="res">Resume</label>

</td>

<td>

    <input type="file" id="res">

</td>

</tr>
```



```
<tr>

<td>
<label>Hobbies</label>
</td>
<td>
<label>
<input type="checkbox" checked> Cricket
</label>
<label>
<input type="checkbox"> Football
</label>
</td>
</tr>
<tr>
<td>
<label>Gender</label>
</td>
<td>
<label>
<input type="radio" value="f" name="gender"> Female</label>
<label>
<input value="m" type="radio" name="gender"> Male</label>
</td>
</tr>
<tr>
<td>
<label for="city">City</label>
</td>
<td>
<select id="city" name="city">
<option disabled selected>--Choose City--</option>
```



```
<optgroup label="Metros">

    <option>New Delhi</option>

    <option>Mumbai</option>

    <option>Channai</option>

    <option>Kolkata</option>

</optgroup>

<optgroup label="Others">

    <option>Noida</option>

    <option>Gurgram</option>

    <option>Faridabad</option>

    <option>Gaziabad</option>

</optgroup>

</select>

</td>

</tr>

<tr>

<td>

    <label>Address</label>

</td>

<td>

    <textarea rows="4" cols="40"></textarea>

</td>

</tr>

<tr>

<td></td>

<td>

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

    <input type="reset">

</td>

</tr>

</table>
```



</form>

</body>

</html>

OUTPUT :-

| | | |
|----------|---|--------------------------------------|
| Name | <input type="text"/> | |
| Email | <input type="text"/> | <input type="button" value="Check"/> |
| Age | <input type="text"/> | |
| Country | <input type="text" value="India"/> | |
| Password | <input type="password"/> | |
| Resume | <input type="button" value="Choose File"/> No file chosen | |
| Hobbies | <input checked="" type="checkbox"/> Cricket <input type="checkbox"/> Football | |
| Gender | <input type="radio"/> Female <input type="radio"/> Male | |
| City | <input type="text" value="--Choose City--"/> | |
| Address | <input type="text"/> | |
| | <input type="button" value="Submit"/> | <input type="button" value="Reset"/> |

PRACTICAL -8

Aim: Create a HTML5 web page which shows the use of Geolocation.

CODE:-

```
<html>
<head>
<title>Geolocation API</title>
</head>
<body>
<p><b>Find your Current location</b></p>
<button onclick="getlocation()">Click me</button>
<div id="loc"></div>
<script>
var x= document.getElementById("loc");
function getlocation()
{
if(navigator.geolocation)
{
navigator.geolocation.getCurrentPosition(showPosition)
}
else
{
alert("Sorry! your browser is not supporting")
}
}
function showPosition(position)
{
var x = "Current Location (" + "Latitude: " + position.coords.latitude + ", " + "Longitude: " +
position.coords.longitude + ")";
document.getElementById("loc").innerHTML = x;
```



```
}  
</script>  
</body>  
</html>
```

Output :





PRACTICAL -9

Aim: Apply inline, internal and external style sheet to the student registration form.

CODE:-

File – index.html

```
<!DOCTYPE html>
<html lang="en-us">
  <head>
    <meta charset="UTF-8">
    <title>Responsive Registration Form</title>
    <link rel="stylesheet" href="/responsiveRegistration.css">
    <script type="text/javascript" lang="javascript" src="/responsiveRegistration.js"></script>
  </head>

  <body>

    <style>
      .container{
        background-color:coral;
      }
    </style>

    body {
      background-color: cyan;
    }

    h1 {
      color: maroon;
      margin-left: 40px;
```




}

</style>

<h1 style="color:blue;text-align:center;">Student Registration Form</h1>

<div class="container">

<div class="row">

<div class="col-10">

<label for="fname" style="color:blue;text-align:center;">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" style="color:blue;text-align:center;">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 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/>
        <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>

<div class="row">

    <input type="submit" value="Registered" onclick="SaveStudentDetails()">

</div>

</div>

</body>

</html>
```

FILE – style.css

```
*{box-sizing: border-box;
}

input[type=text], input[type=email], input[type=number], input[type=select],
input[type=date],input[type=select],input[type=password], input[type=tel]
{
    width: 45%;
    padding: 12px;
    border: 1px solid rgb(168, 166, 166);
    border-radius: 4px;
    resize: vertical;
}

textarea{
    width:45%;
    padding: 12px;
    border: 1px solid rgb(168, 166, 166);
    border-radius: 4px;
    resize: vertical;
}

input[type=radio],input[type=checkbox]{
    width: 1%;
    padding-left: 0%;
```



```
border: 1px solid rgb(168, 166, 166);
border-radius: 4px;
resize: vertical;
}
h1{
font-family: Arial;
font-size: medium;
font-style: normal;
font-weight: bold;
color: brown;
text-align: center;
text-decoration: underline;
}
label{
padding: 12px 12px 12px 0;
display: inline-block;
}
input[type=submit] {
background-color: #4CAF50;
color: white;
padding: 12px 20px;
border: none;
border-radius: 4px;
cursor: pointer;
float:left;
}
input[type=submit]:hover {
background-color: #32a336;
}
.container{
border-radius: 5px;
```



```
background-color:#f2f2f2;
padding: 20px;
}

.col-10{
float: left;
width:10%;
margin-top: 6px;
}

.col-90{
float: left;
width: 90%;
margin-top: 6px;
}

.row:after{
content: "";
display: table;
clear: both;
}

@media screen and (max-width: 600px) {
.col-10,.col-90,input[type=submit]{
width: 100%;
margin-top: 0;
}
}
```



OUTPUT:

Student Registration Form

| | |
|-----------------|---|
| First Name: | <input type="text" value="Enter your firstname"/> |
| Last Name: | <input type="text" value="Enter your lastname"/> |
| Email: | <input type="text" value="it should contain @"/> |
| Mobile: | <input type="text" value="only 10 digits are allowed"/> |
| Gender: | <input type="radio"/> Male <input type="radio"/> Female |
| Date Of Birth: | <input type="text" value="mm/dd/yyyy"/> |
| Address: | <input type="text"/> |
| City: | <input type="text"/> |
| Area PIN: | <input type="text"/> |
| State: | <input type="text"/> |
| Qualification: | <input type="text" value="Select Qualification:"/> |
| Specialization: | <input type="checkbox"/> Computer Science <input type="checkbox"/> Information Technology <input type="checkbox"/> Computer Architecture <input type="checkbox"/> Tele Communication |
| Password: | <input type="text"/> |



PRACTICAL -10

Aim: . Implement 2D transformation on Web page.

CODE:-

```
<html>
<head>
<title>Web programming Practical-10</title>
<style>
div#h1 {
width: 200px;
height: 100px;
background-color: pink;
border: 1px solid black;
-ms-transform: translate(50px,100px);
transform: translate(50px,100px);
}
div#h2 {
width: 200px;
height: 100px;
background-color: lightblue;
border: 1px solid black;
-ms-transform: rotate(20deg);
transform: rotate(20deg);
}
div#h3 {
width: 200px;
height: 100px;
background-color: pink;
```



```
border: 1px solid black;
-ms-transform: scale(0.5,0.5);
transform: scale(0.5,0.5);
}
div#h4{
width: 200px;
height: 100px;
background-color: lightblue;
border: 1px solid black;
-ms-transform: skew(20deg,10deg);
transform: skew(20deg,10deg);
}
div#h5{
width: 200px;
height: 100px;
background-color: pink;
border: 1px solid black;
-ms-transform: matrix(1, -0.2, 0, 1, 0, 0);
transform: matrix(1, -0.2, 0, 1, 0, 0);
}
p
{
font-weight: bold;
}
div#h6{
margin: 150px;
width: 200px;
height: 100px;
background-color: lightblue;
border: 1px solid black;
-ms-transform: scaleX(2);
```



```
transform: scaleX(2);
}
div#h7{

margin: 150px;
width: 200px;
height: 100px;
background-color: pink;
border: 1px solid black;
-ms-transform: scaleY(0.5);
transform: scaleY(0.5);
}
div#h8{
width: 200px;
height: 100px;
background-color: lightblue;
border: 1px solid black;
-ms-transform: skewX(20deg);
transform: skewX(20deg);
}
div#h9{
width: 200px;
height: 100px;
background-color: pink;
border: 1px solid black;
-ms-transform: skewY(-20deg);
transform: skewY(-20deg);
}
</style>
</head>
<body>
<p>rotate</p>
<br>
<br>
```



```
<div id="h2">Hello</div>

<p>scale</p>

<div id="h3">Web Programming</div>

<p>skew</p>

<div id="h4">Compiler Design</div>

<p>matrix</p>

<div id="h5">Cryptography</div>

<br>

<br>

<p>translate</p>

<div id="h1">Programming</div>

<br>

<br>

<p>scaleX</p>

<div id="h6">Hello</div>

<p>scaleY</p>

<div id="h7">Web programming</div>

<p>skewX</p>

<div id="h8">Compiler Design</div>

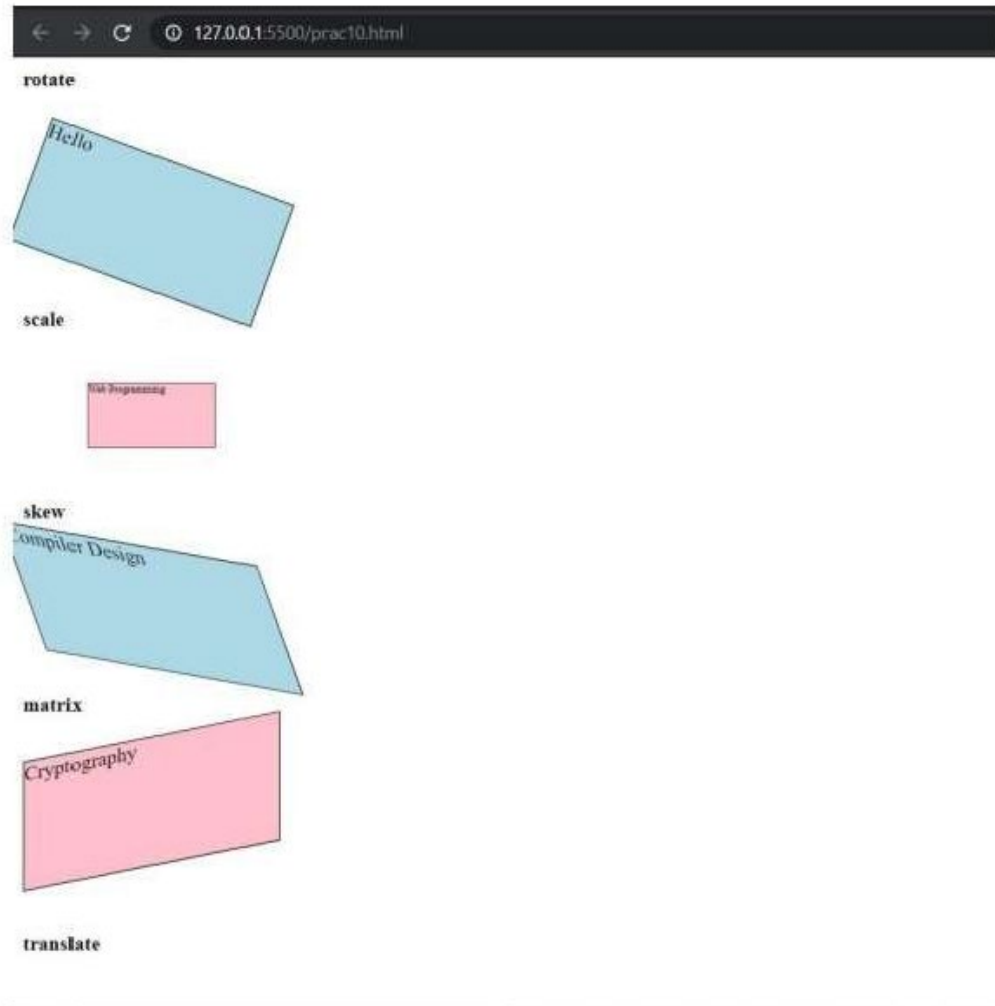
<p>skewY</p>

<div id="h9">Cryptography</div>

</body>

</html>
```

Output :



PRACTICAL -11

Aim: To create an html page to explain the use of various predefined functions in an array & Date object in JavaScript.

CODE:-

```
<html>
<head>
<title> Array & Object</title>
</head>
<body style="background-color:black;color:white">
<h2 style="text-align:center;">Array and Date object</h2>
<h4>
<p> Date object</p>
<p id="demo0"></p>
<hr><br>
<p> With using loop</p>
<p id="demo1"></p>
<hr><br>
<p> Without using loop</p>
<p id="demo2"></p>
<script>
var flowers = ["Tulip", "Sunflower", "Rose", "Lotus", "Lily", "Jasmine"];
var text = "";
var i;
for (i = 0; i < flowers.length; i++) {
text += flowers[i] + "<br>";
}
var d = new Date();
document.getElementById("demo0").innerHTML = d;
```



```
document.getElementById("demo1").innerHTML = text;
```

```
document.getElementById("demo2").innerHTML = flowers;
```

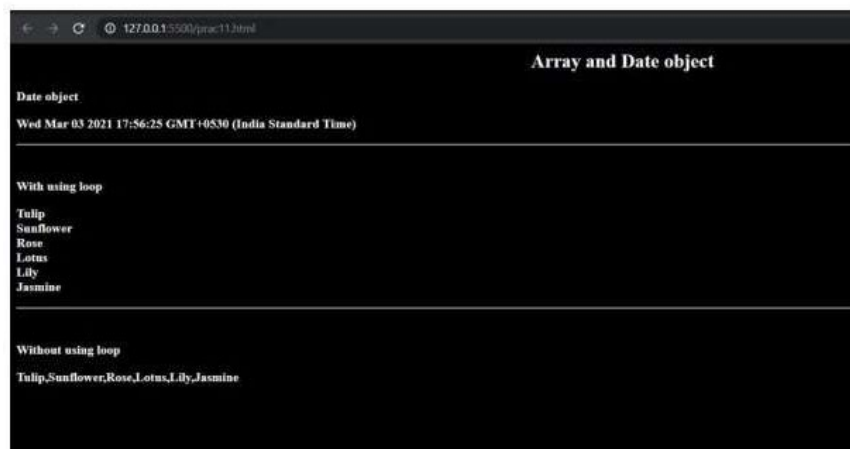
```
</script>
```

```
</h4>
```

```
</body>
```

```
</html>
```

Output :



PRACTICAL -12

Aim: Write a Program to show use of alert, confirm and prompt box.

i. Ask user to input some week Day. Match it with actual current Week day(Use DateObject to get the current week day) If both values matches display a message “HIT” else display a message “MISSED”.

ii. Caluculate the BMI of a user by asking him for his Weight(Kilograms) & Height(Meters). Formula:- $BMI = m/h^2$.

CODE:-

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<title>Practical-12</title>
```

```
</head>
```

```
<body>
```

```
<Script>
```

```
//Ask user to input some week day.match it with actual current week day(use dateobject to  
get the current week day).if both values matches display a message "hit" else display a message  
"missed".
```

```
var weekDay = prompt("Enter any Week Day like 1,2,3...");
```

```
var day = new Date();
```

```
if (weekDay == day.getDay()) {
```

```
    alert("HIT");
```

```
} else {
```

```
    alert("MISSED")
```




```
}  
  
</Script>  
  
</body>  
  
</html>
```

OUTPUT:-



ii:-

```
<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
  <meta charset="UTF-8">  
  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  
  <title>Practical-12</title>  
  
</head>  
  
<body>  
  
  <Script>  
  
    //Calculate the BMI of a user by asking him for his weight(kilograms) & Height  
    Meters.Formula:-BMI=m/h^2.  
  
  
    var weight = prompt("Enter the weight of your body in kg");
```



```
var height = prompt("Enter the height of your body in meter");  
  
var bmi = weight / Math.pow(height, 2);  
  
alert("Your BMI is: " + bmi);  
  
</Script>  
  
</body>  
  
</html>
```

OUTPUT:-



PRACTICAL -13

Aim: Write JavaScript to perform the following operations:

- a. to find highest from given three values**
- b. to calculate factorial of n**

CODE:-

```
<html>
<head>
<title>JavaScript program to find out the biggest of given three numbers</title>
</head>
<body>
<table>
<tr>
<td> <input type="text" name="a" id="first" placeholder="Enter first number"/> </td>
</tr>
<tr>
<td> <input type="text" name="b" id="second" placeholder="Enter second number"/> </td>
</tr>
<tr>
<td> <input type="text" name="c" id="third" placeholder="Enter third number"/> </td>
</tr>
<tr>
<td> <button onclick = "biggest()">Submit</button> </td>
</tr>
</table>
<div id = "num"></div>
</body>

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



```
function biggest()

{
var a,b,c;
a = parseInt(document.getElementById ("first").value);
b = parseInt(document.getElementById ("second").value);
c = parseInt(document.getElementById ("third").value);
if(a > b && a > c)
{
document.getElementById ("num").innerHTML = a+" is the biggest number";
}
else
if(b > c && b > a)
{
document.getElementById ("num").innerHTML = b+" is the biggest number";
}
else
{
document.getElementById ("num").innerHTML = c+"is the biggest number";
}
}
</script>
</html>
```

OUTPUT:-

| |
|--------------------------|
| 11 |
| 22 |
| 33 |
| Submit |
| 33 is the biggest number |

ii-

```
<!DOCTYPE html>

<html>
```



```
<head>
</head>
<body style = "text-align: center; font-size: 20px;">
```

Enter a number: <input id = "num">

```
<br><br>
```

```
<button onclick = "fact()"> Factorial </button>
```

```
<p id = "res"></p>
```

```
<script>
```

```
function fact(){
```

```
var i, num, f;
```

```
f = 1;
```

```
num = document.getElementById("num").value;
```

```
for(i = 1; i <= num; i++)
```

```
{
```

```
ff = f * i;
```

```
}
```

```
ii = i - 1;
```

```
document.getElementById("res").innerHTML = "The factorial of the number " + i + " is: " + f ;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

OUTPUT:-

Enter a number:

The factorial of the number 147 is: 1

PRACTICAL -14

Aim: Write JavaScript to perform the following operations:

- a. to calculate sum of 1 to n**
- b. to check whether given number is palindrome or not**

CODE:-

a:-

```
<!doctype html>
<html>
<head>
<script>
var i=0, n, sum=0, temp;
function fun()
{
    n = parseInt(document.getElementById("n").value);
    if(n)
    {
        document.getElementById("nVal").innerHTML = n;
        document.getElementById("tme").innerHTML = i+1;
        i++;
        temp = document.getElementById("one");
        temp.style.display = "none";
        temp = document.getElementById("two");
        temp.style.display = "block";
    }
}
function add()
{
    if(i==n)
```

```
{
    temp = document.getElementById("two");
    temp.style.display = "none";
    temp = document.getElementById("three");
    temp.style.display = "block";
}
num = parseInt(document.getElementById("num").value);
if(num)
{
    sum = sum + num;
    document.getElementById("num").value = null;
    document.getElementById("tme").innerHTML = i+1;
    i++;
}
}
function res()
{
    document.getElementById("result").value = sum;
}
</script>
</head>
<body>

<p id="one">Enter the Value of n: <input id="n">
<button onclick="fun()">ENTER</button></p>
<p id="two" style="display:none;">Enter <span id="nVal"></span>
Numbers. Input No. <span id="tme"></span>:
<input id="num"><button id="btn" onclick="add()">ENTER</button></p>
<p id="three" style="display:none;"><button onclick="res()">Add</button>
<input id="result"></p>
```



</body>

</html>

OUTPUT:-

Enter the Value of n:

254677

Enter 2 Numbers. Input No. 1:

Enter 2 Numbers. Input No. 2:

b-

<html>

<head> <title> JavaScript Palindrome </title>

</head>

<body>

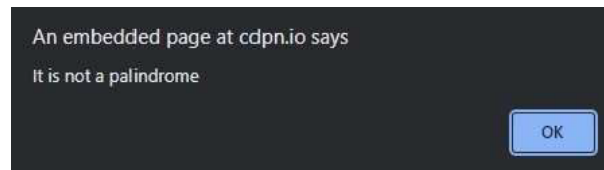
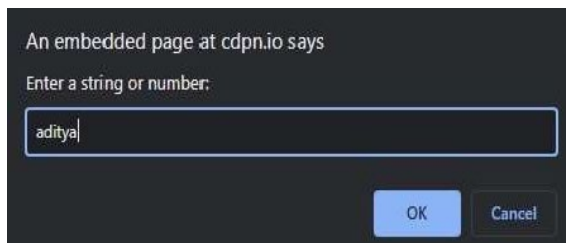
<script>

```
function validatePalin(str) {  
  const len = string.length;  
  for (let i = 0; i < len / 2; i++) {  
    if (string[i] !== string[len - 1 - i]) {  
      alert( 'It is not a palindrome');  
    }  
  }  
}
```




```
}  
  
alert( 'It is a palindrome');  
  
}  
  
const string = prompt('Enter a string or number: ');  
  
const value = validatePalin(string);  
  
console.log(value);  
</script>  
</body>  
</html>
```

OUTPUT:-





PRACTICAL -15

Aim: Write a Java Script program to print current date & time

CODE:-

```
<html>
<head>
  <title>Display Current Date and Time in Html using Javascript</title>
</head>
<body>
  <h1>Get current date using JavaScript.</h1>

  <h2 id="displayDateTime"></h2>
</body>
<script type="text/javascript">
  var today = new Date();
  var day = today.getDay();
  var daylist = ["Sunday", "Monday", "Tuesday", "Wednesday ", "Thursday", "Friday", "Saturday"];
  var date = today.getFullYear()+'-'+(today.getMonth()+1)+'-'+today.getDate();
  var time = today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds();
  var dateTime = date+' '+time;

  document.getElementById("displayDateTime").innerHTML = dateTime + ' <br> Day :- ' +
  daylist[day];

</script>
</html>
```

OUTPUT:-



Get current date using JavaScript.

2022-8-26 2:50:5

Day :- Friday



PRACTICAL -16

Aim: Create CD Catalogue Table in XML and display it using XSL Style Sheet

CODE:-

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="cd.xsl"?>
<catalog>
  <cd>
    <author> Nancy </author>
    <genre> Vocal </genre>
    <price> 1000$ </price>
    <country> South Korea </country>
    <team> Momoland </team>
  </cd>
  <cd>
    <author> Roseanna Park </author>
    <genre> Vocal </genre>
    <price> 999$ </price>
    <country> New Zealand </country>
    <team> Blackpink </team>
  </cd>
  <cd>
    <author> Lalisa Manoban </author>
    <genre> K-pop </genre>
    <price> 999$ </price>
    <country> Thailand </country>
```



<team> Blackpink </team>

</cd>

<cd>

<author> Kim Jennie </author>

<genre> Vocal </genre>

<price> 1000\$ </price>

<country> South Korea </country>

<team> Blackpink </team>

</cd>

<cd>

<author> Jisoo </author>

<genre> Lead Vocalist </genre>

<price> 1000\$ </price>

<country> South Korea </country>

<team> Blackpink </team>

</cd>

<cd>

<author> Jungkook </author>

<genre> Vocal </genre>

<price> 998\$ </price>

<country> South Korea </country>

<team> BTS </team>

</cd>

<cd>

<author> Kim Taehyung </author>

<genre> Vocal </genre>



<price> 999\$ </price>

<country> South Korea </country>

<team> BTS </team>

</cd>

<cd>

<author> J-Hope </author>

<genre> Rapper </genre>

<price> 1000\$ </price>

<country> South Korea </country>

<team> BTS </team>

</cd>

<cd>

<author> Suga </author>

<genre> Rapper </genre>

<price> 998\$ </price>

<country> South Korea </country>

<team> BTS </team>

</cd>

<cd>

<author> Kim Nam-joon </author>

<genre> K-POP </genre>

<price> 1000\$ </price>

<country> South Korea </country>

<team> BTS </team>

</cd>

</catalog>



• Code of XSL file:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet          version="1.0"
xmlns:xsl="Transform">
<xsl:template match="/">

<html>
<body>
<h1 align="center">CD's Basic Details</h1>
<table border="3" align="center" >
<tr>
<th>Author</th>
<th>Genre</th> <th>Price</th>
<th>Country</th>
<th>Team</th>
</tr>
<xsl:for-each select="catalog/cd">
<tr>
<td><xsl:value-of select="author"/></td>
<td><xsl:value-of select="genre"/></td>
<td><xsl:value-of select="price"/></td>
<td><xsl:value-of select="country"/></td>
<td><xsl:value-of select="team"/></td>
</tr>
</xsl:for-each>
```



</table> </body>

</html>

</xsl:template>

</xsl:stylesheet>

OUTPUT:

CD's Basic Details

| Author | Genere | Price | Country | Team |
|----------------|---------------|--------|-------------|-----------|
| Nancy | Vocal | 1000\$ | South Korea | Momoland |
| Roseanna Park | Vocal | 999\$ | New Zealand | Blackpink |
| Lalisa Manoban | K-pop | 999\$ | Thailand | Blackpink |
| Kim Jennie | Vocal | 1000\$ | South Korea | Blackpink |
| Jisoo | Lead Vocalist | 1000\$ | South Korea | Blackpink |
| Jungkook | Vocal | 998\$ | South Korea | BTS |
| Kim Taehyung | Vocal | 999\$ | South Korea | BTS |
| J-Hope | Rapper | 1000\$ | South Korea | BTS |
| Suga | Rapper | 998\$ | South Korea | BTS |
| Kim Nam-joon | K-POP | 1000\$ | South Korea | BTS |



PRACTICAL -17

Aim : Creating the javascript file to handle our Json.

Code :

```
<html>

<head>

<title> Web programming Practical-17 sending data </title>

</head>

<body>

<h2>Create JSON string from a JavaScript object.</h2>

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

<script> var obj= { name: "MINESH", age: 20, city: "DABHOI"
}; var myJSON= JSON.stringify(obj);
document.getElementById("demo").innerHTML= myJSON;

</script>

</body>

</html>
```

• **Output:**



• **Code of Receiving data:**

```
<html>

<head>

<title> Web programming Practical-17 Receiving data </title>

</head>
```



```
<body>
```

```
<h2>Create Object from JSON String.</h2>
```

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

```
<script> var txt = '{"name":"MINESH", "age":20, "city":"DABHOI"}' var obj=
JSON.parse(txt); document.getElementById("demo").innerHTML= obj.name + ", " +
obj.age; </script>
```

```
</body>
```

```
</html>
```

• Output:



Create Object from JSON String.

Jay, 20

• Code of Storing data:

```
<html>
```

```
<head>
```

```
<title> Web programming Practical-17 storing data </title>
```

```
</head>
```

```
<body>
```

```
<h2>Store and retrieve data from local storage.</h2>
```

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

```
<script> var myObj, myJSON, text,obj;
//Storing data: myObj= { name: "MINESH", age: 20, city:
"DABHOI" }; myJSON= JSON.stringify(myObj);
localStorage.setItem("testJSON", myJSON); //Retrieving data:
text = localStorage.getItem("testJSON"); obj= JSON.parse(text);
document.getElementById("demo").innerHTML= obj.name;
```

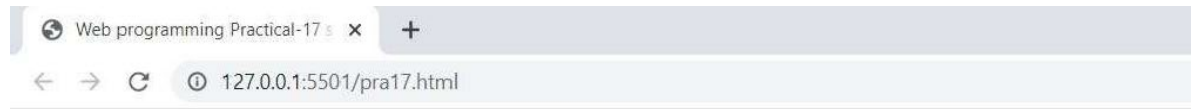
```
</script>
```

```
</body>
```



</html>

• **Output:**



Store and retrieve data from local storage.

Jay



PRACTICAL -18

Aim : Write a PHP code to print your personal details.

Code :

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <form action="" method="POST">

        Name: <input type="text" name="name"> <br><br> Enrollment

        no.: <input type="number" name="enno"><br><br> Dep.: <input

        type="text" name="dep"><br><br>

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

    </form>

</body>

</html> <?php

if(isset($_POST['name']) && isset($_POST['enno']) && isset($_POST['dep'])) { echo

$_POST['name']."<br>"; echo $_POST['enno']."<br>"; echo $_POST['dep']."<br>";

}

?>
```

• Output:



Document x +

← → ↻ ⓘ localhost/Php%20Projects/pr17.php

Name:

Enrollment no.:

Dep.:

Depani Jay R
180303105059
CSE



PRACTICAL -19

Aim : Write a PHP code to show the use of Decision Making and find out if given number is prime or not prime.

Code :

```
<?php

function IsPrime($n)
{
    for($x=2; $x<$n; $x++)
    {
        if($n % $x == 0)
        {
            return 0;
        }
    }
    return 1;
}

$a = IsPrime(5); if ($a==0) echo 'This is not a Prime
Number .....!.\n'; else echo 'This is a Prime
Number..!.\n';

?>
```

• **Output:**





PRACTICAL -20

Aim : Write a PHP code for database connection with MySQL and also perform insert and delete .

Code :

```
<?php

$servername="localhost";

$username="root";

$password="";

$conn=mysqli_connect($servername,$username,$password);

if(!$conn){ die("Sorry we failed to connect:".
mysqli_connect_error());
}

else{

    echo "Connection was successful <br>";

}

$sql="CREATE DATABASE dbJay"; $result=mysqli_query($conn,$sql);
if($result){

    echo "The db was created successfully. <br>";

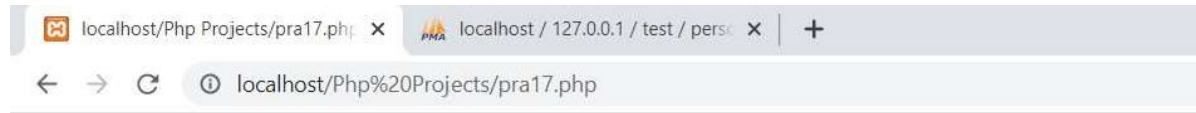
}

else{ echo "The db was not created successfully because of this error---
>".mysqli_error($conn);

}

?>
```

• Output:



Connection was successful
The db was craeted successfully.

| + Options | |
|--|---------|
| Name | Roll No |
| Jay | 59 |
| <input type="checkbox"/> Show all Number of rows: 25 <input type="button" value="Filter rows: Search this table"/> | |

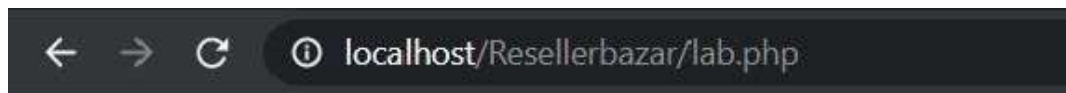
Code for Creating Table in Database:

```
<?php
$servername="localhost";
$username="root";
$password="";
$db="dbJay";
$conn=mysqli_connect($servername,$username,$password,$db);
if(!$conn){ die("Sorry we failed to connect:".
mysqli_connect_error());
}
else{
echo "Connection was successful <br>";
}
$sql="CREATE TABLE PERSON(NAME VARCHAR(10),ROLLNO INT(20))";
$result=mysqli_query($conn,$sql);
```



```
if($result){  
  
echo "The Table was craeted successfully. <br>";  
  
}  
  
else{ echo "The Table was not craeted successfully because of this error---  
>".mysqli_error($conn);  
  
}  
  
?>
```

Output:



Connection was successful
The Table was craeted successfully.



| Table | Action | Rows | Type | Collation | Size | Overhead |
|---------|---|------|--------|--------------------|----------|----------|
| person | Browse Structure Search Insert Empty Drop | 0 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| 1 table | Sum | 0 | InnoDB | utf8mb4_general_ci | 16.0 KiB | 0 B |

• Code for Inserting Data into Table:

```
<?php  
  
$servername="localhost";  
  
$username="root";  
  
$password="";  
  
$db="dbJay";  
  
$conn=mysqli_connect($servername,$username,$password,$db);  
  
if(!$conn){ die("Sorry we failed to connect:".  
mysqli_connect_error());  
}  
  
else{
```



```
echo "Connection was successful <br>";  
  
}  
  
$sql="INSERT INTO PERSON (NAME,ROLLNO) VALUES  
(Jay,'180303105059')"; $result=mysqli_query($conn,$sql);  
if($result){  
  
echo "The data was craeted successfully. <br>";  
  
}  
  
else{ echo "The data was not craeted successfully because of this error---  
>".mysqli_error($conn);  
  
}  
  
?>
```

Output:



Database

+ Options

| Name | Roll No |
|------|---------|
| Jay | 59 |

☐ Show all | Number of rows: 25 | Filter rows: Search this table



• Code for Deleting Data from the Table:

```
<?php

$servername="localhost";

$username="root";

$password="";

$db="dbJay";

$conn=mysqli_connect($servername,$username,$password,$db);

if(!$conn){ die("Sorry we failed to connect:".

mysqli_connect_error());

}

else{

    echo "Connection was successful <br>";

}

$sql="DELETE FROM PERSON WHERE NAME='Jay'";

$result=mysqli_query($conn,$sql);

if($result){

    echo "The Record was deleted successfully. <br>";

}

else{ echo "The Record was not deleted successfully because of this error---

>".mysqli_error($conn);

}

?>
```

• Output:



• Code for Deleting Data from the Table: Connection was successful
The Record was deleted successfully.