



Parul University

FACULTY OF ENGINEERING AND TECHNOLOGY BACHELOR OF TECHNOLOGY

WEB PROGRAMMING LABORATORY

(203105344)

5TH SEMESTER

COMPUTER SCIENCE DEPARTMENT

Laboratory Manual

CERTIFICATE

This is to certify that **Mr. VOLADRI SAIKIRAN** with enrolment no.
200303124537 has successfully completed his laboratory experiments in
the **WebProgramming** from the department of **PIET** during the academic
year **2022-23**



Date of Submission:

Staff in charge :

Head Of Department:

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Sr. No	Experiment Title	Page No		Date of Performance	Date of Assessment	Mark s(out of10)	Sign
		From	To				
1	Create a web page containing resume with the help of basic HTML tags.						
2	Create a web page to display the Restaurant menu using ordered, unordered and nested list.						
3	Create the below given table						
4	Using frames divide the web page as follows						
5	Create a HTML5 web page which show the use of Canvas						
6	Create a HTML5 web page which shows the use of Audio & Video.						
7	Create a student registration form using the following tages <form>,<input>,<textarea>,<button>,<select>,<option>, The registration form must 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)						
8	Create a HTML5 web page which shows the use of Geolocation.						
9	Apply inline,internal and external style sheet to the student registration form.						
10	Implement 2D transformation on Web page						

11	To Create a html page to explain the use of various predefined functions in an array & Date object in Javascript.						
12	Write 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. Calculate the BMI of a user by asking him for his weight (kilograms) & Height (Meters). Formula:- $BMI = m/h^2$						
13	Write javascript to perform the following operations: a. to find highest from given three values b. to calculate factorial of n						
14	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						
15	Write a java script 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 shows 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>
  <head>
    <title> Practical 1</title>
  </head>
  <body>
    
    <h1 align="center"> Saikiran Voladri</h1>

    <h3 align="center">
      [ Warangal, Telengana, India ]
    </h3>
    <br><br><br><br>
    <hr>
    <h2> Objective:</h2>
    <p>
      Want to work as a Software engineer at any Product based Company
    </p>
    <br>
    <h2>Education:</h2>
    <p>●
      <strong>BTech in Parul University vadodara</strong>
      [8.5/10 GPA]</p>
    <p>●
      <strong>11 & 12 at Kaloji Junior College</strong>
      [9.8/10 GPA]</p>
    <p>●
      <strong>St Mary's High School</strong>
      [9.3/10 GPA]</p>
    <br>
    <h2>Hobbies </h2>
    <p> ● programming</p>
    <p> ● Listening to music  </p>

    <p> ● watching movies  </p>

    <h2>Skills </h2>
    <p>
      <strong>Languages</strong>
    </p>
    <p>
      C++
      | C
```

| Python

| Java

</p>

<h2>Contact Me:</h2>Github:SaikiranVoladri| Twitter:@voladrisaikiran

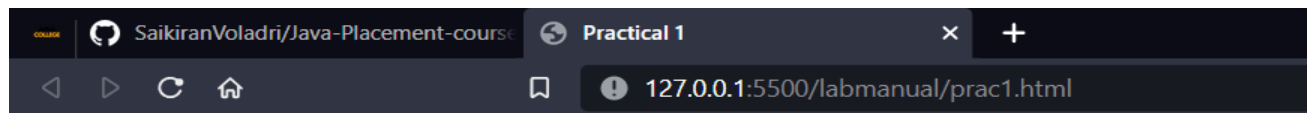
<h2> Phone Number</h2>

<p> 6302298974</p>

</body>

</html>

OUTPUT:



Saikiran Voladri

[Warangal, Telengana, India]



Objective:

Want to work as a Software engineer at any Product based Company

Education:

- BTech in Parul University vadodara [8.5/10 GPA]
- 11 & 12 at Kaloji Junior College [9.8/10 GPA]
- St Mary's High School [9.3/10 GPA]

Hobbies

- programming
- Listening to music
- watching movies

Skills

Languages

C++ | C | Python | Java

Contact Me:

Github:SaikiranVoladri| Twitter:@voladrisaikiran

Phone Number

6302298974

PRACTICAL-2

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

CODE:

```
<html>

<head><title>PRACTICAL NO 2</TITLE>



<h1 align="center"> NASA PARADISE</h1>

<br><br><br>

<hr>

<h2>RESTAURANT MENU</h2>

</head>

<body><ol>

  <li>chicken

  <li>veggies

  <li>starters

</ol>

<UI>

  <li><b>NON VEG</b>

<ul>

  <li>chicken dum biryani

  <li>chilli chicken

  <li>chicken tikka masala

  <li>chicken soup

</ul>

</UI>

<UI type="a">

  <li><b>VEG </b>

<ul>

  <li>paneer biryani
```

paneer haveli

paneer tikka masala

paneer butter masala

STARTERS

manchuria

noodles

soups

DRINKS

cofee

milk

tea

ICE CREAMS

venella ice cream

Butterscotch

Chocobar

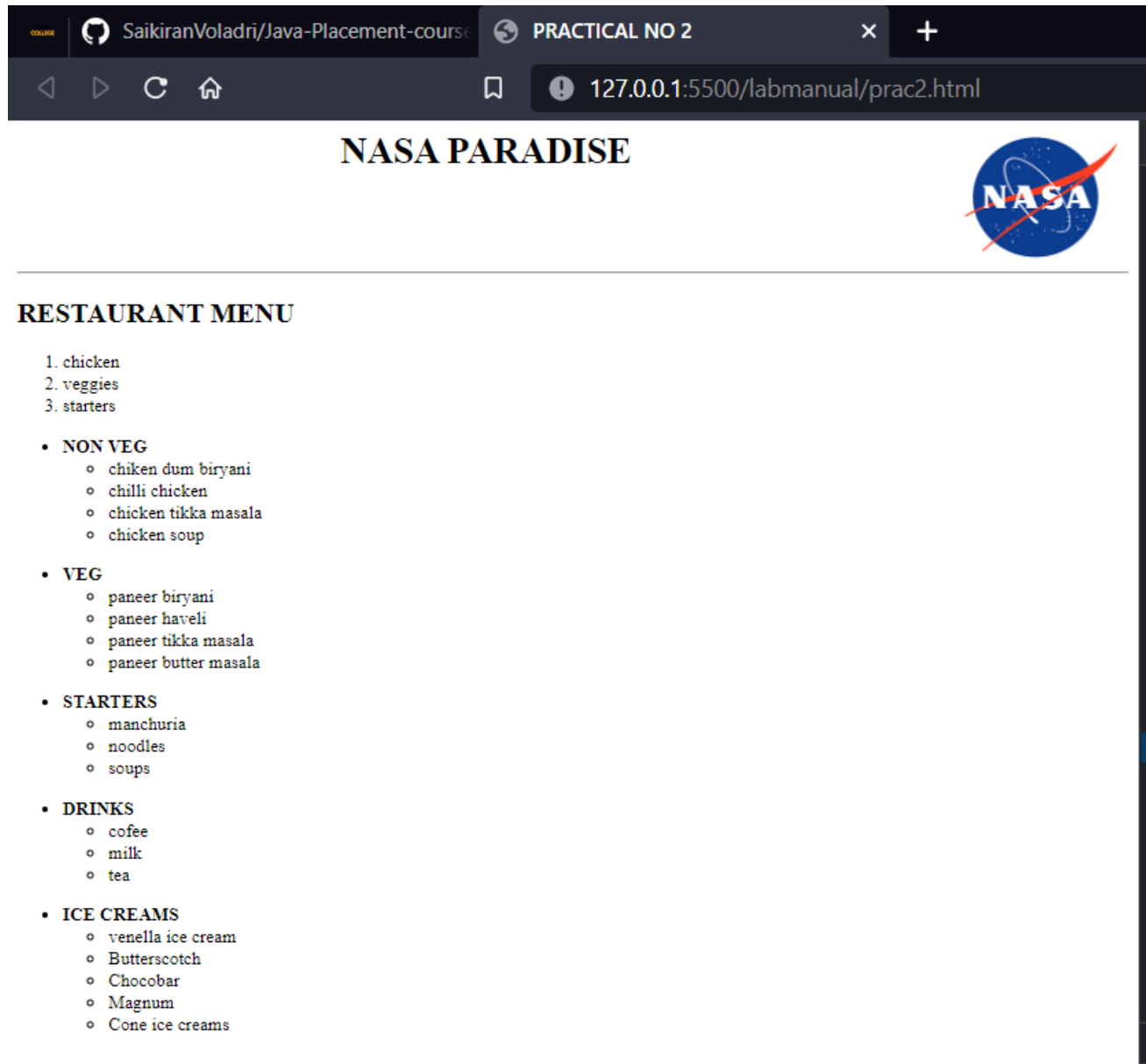
Magnum

Cone ice creams


</body>

</html>

OUTPUT:



NASA PARADISE



RESTAURANT MENU

1. chicken
2. veggies
3. starters
 - **NON VEG**
 - chicken dum biryani
 - chilli chicken
 - chicken tikka masala
 - chicken soup
 - **VEG**
 - paneer biryani
 - paneer haveli
 - paneer tikka masala
 - paneer butter masala
 - **STARTERS**
 - manchuria
 - noodles
 - soups
 - **DRINKS**
 - cofee
 - milk
 - tea
 - **ICE CREAMS**
 - venella ice cream
 - Butterscotch
 - Chocobar
 - Magnum
 - Cone ice creams

PRACTICAL-3

AIM: Create the below given table.

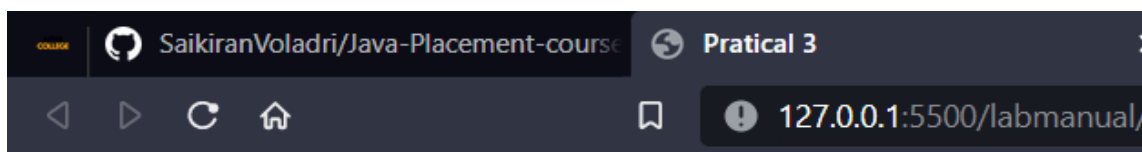
CODE: <html>

```
<head>
<title>
  Pratical 3
</title>

</head>
<body>
  <table border="2px">
    <thead>
      <tr>
        <th colspan="20">
          Work Contact Points
        </th>
      </tr>
    </thead>
    <thead>
      <tr>
        <th>
          Name
        </th>
        <th>
          Email
        </th>
        <th>
          Phone
        </th>
        <th>
          Floor/Block</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td bgcolor="yellow">
          Frend
        </td>
        <td bgcolor="lightblue">
          fred@megacrop.com
        </td>
        <td bgcolor="yellow">123456</td>
        <td align="center" rowspan="2" bgcolor="darkgreen">1/A</td>
      </tr>
      <tr>
        <td bgcolor="lightblue">
          Jhon
        </td>
        <td bgcolor="yellow">
          Jhon@megacrop.com
        </td>
        <td bgcolor="lightblue">234567</td>
      </tr>
    </tbody>
  </table>
```

```
<tr>
  <td bgcolor="yellow">
    Bill
  </td>
  <td bgcolor="lightblue">
    bill@megacrop.com
  </td>
  <td bgcolor="yellow">345678</td>
  <td align="center" rowspan="3" bgcolor="blue">3/C</td>
</tr>
<tr>
  <td bgcolor="lightblue">
    Jane
  </td>
  <td bgcolor="yellow">
    Jane@megacrop.com
  </td>
  <td bgcolor="lightblue">777444</td>
</tr>
<tr>
  <td bgcolor="yellow">
    Alison
  </td>
  <td bgcolor="lightblue">
    alison@megacrop.com
  </td>
  <td bgcolor="yellow">888652</td>
</tr>
</tbody>
</table>
</body>
</html>
```

OUTPUT:



Work Contact Points			
Name	Email	Phone	Floor/Block
Frend	fred@megacrop.com	123456	1/A
Jhon	Jhon@megacrop.com	234567	
Bill	bill@megacrop.com	345678	3/C
Jane	Jane@megacrop.com	777444	
Alison	alison@megacrop.com	888652	

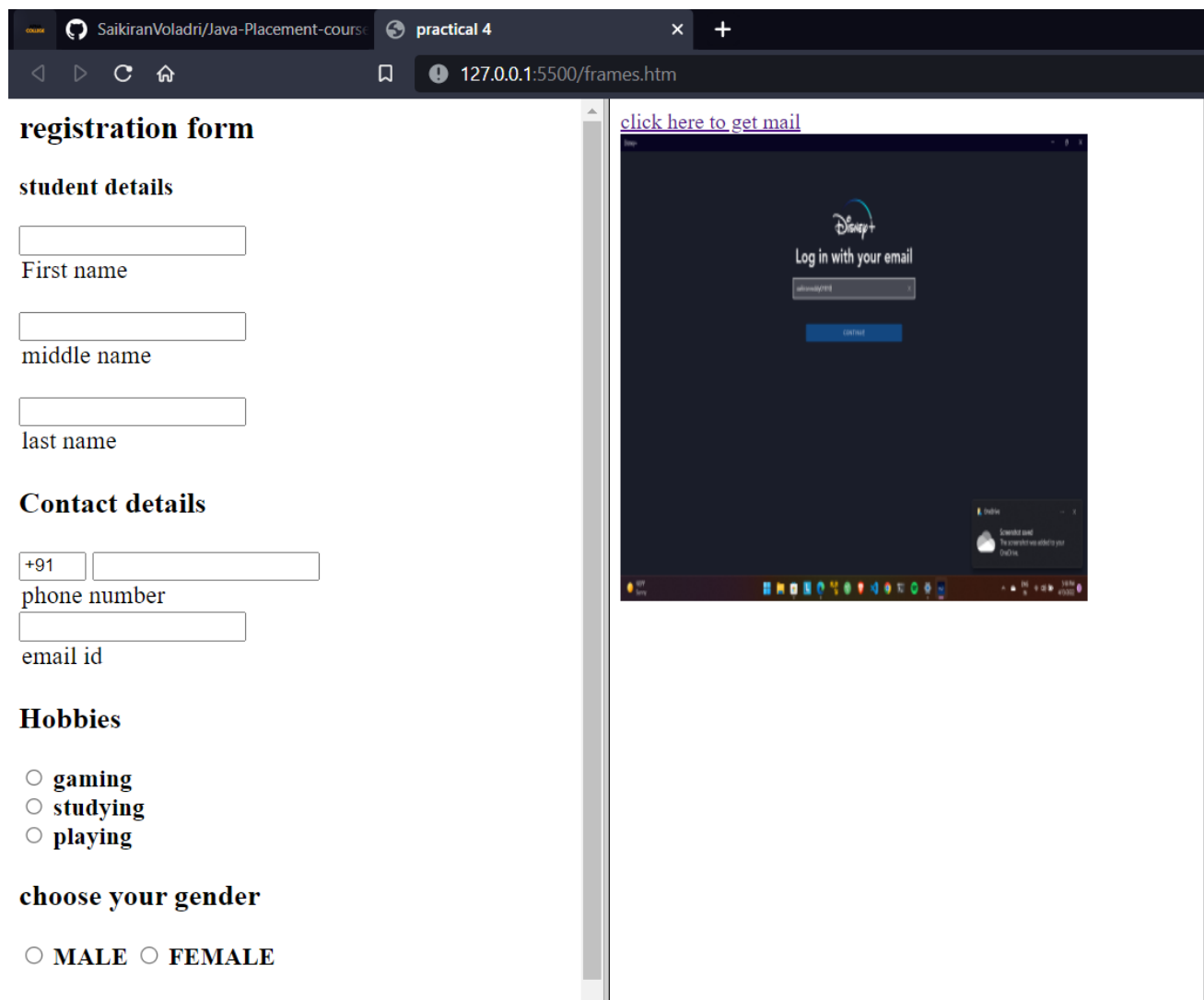
PRACTICAL-4

AIM: Using Frames Divide the web page as follows

CODE:

```
<html>
<head> <title> FRAMES </title> </head>
</h1>
<frameset cols ="50%,50%">
<frame src = "registration form.htm" />
<frame src = "hypertext.htm" />
</frameset>
</body>
</html>
```

Output:



The screenshot shows a web browser window with two frames. The left frame displays a registration form, and the right frame displays a Disney+ login page.

registration form

student details

First name

middle name

last name

Contact details

+91
phone number

email id

Hobbies

☐ gaming
☐ studying
☐ playing

choose your gender

☐ MALE ☐ FEMALE

[click here to get mail](#)

Disney+
Log in with your email

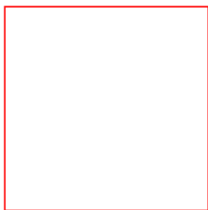
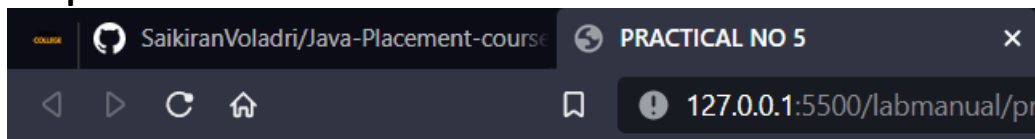
PRARCTICAL-5

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

CODE:

```
<html>
  <head>
    <style>
      #mycanvas{border:1px solid red;}
    </style>
  </head>
  <body>
    <canvas id = "mycanvas" width = "100" height = "100"></canvas>
  </body>
</html>
```

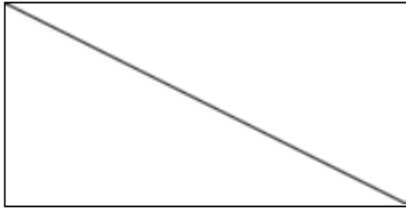
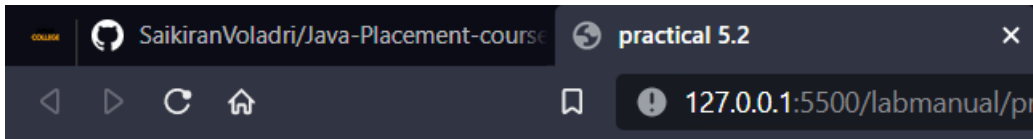
Output:



.DRAWING A LINE:

```
<html>
  <body>
    <canvas id="myCanvas" width="200" height="100" style="border:1px solid black">
    <script>
      var c = document.getElementById("myCanvas");
      var ctx = c.getContext("2d");
      ctx.moveTo(0,0);
      ctx.lineTo(200,100);
      ctx.stroke();
    </script>
    </canvas>
  </body>
</html>
```

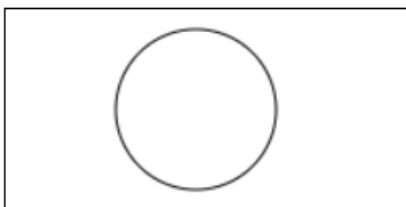
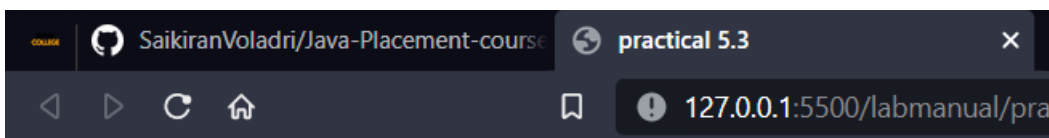
OUTPUT:



Drawing a circle:

```
<!DOCTYPE html>
<html>
  <body>
    <canvas id="myCanvas" width="200" height="100" style="border:1px solid black">
      <script>
        var c = document.getElementById("myCanvas");
        var ctx = c.getContext("2d");
        ctx.beginPath();
        ctx.arc(95,50,40,0,2*Math.PI);
        ctx.stroke();</script> </canvas> </body></html>
```

OUTPUT:



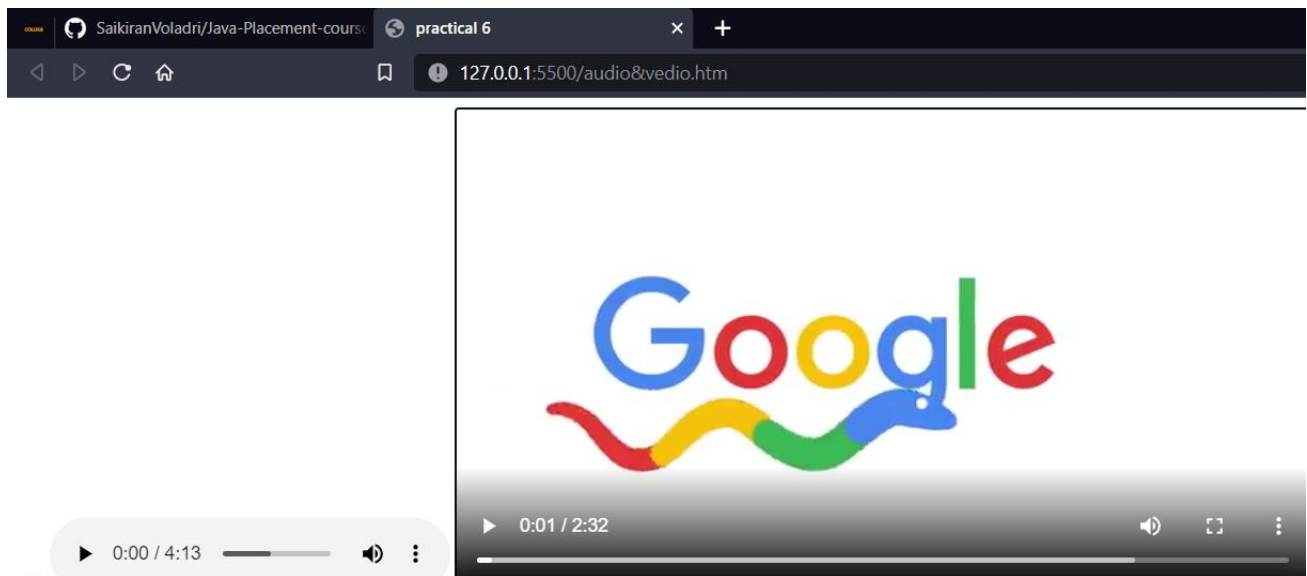
PRACTICAL-6

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

CODE:

```
<html>
<head> <title> practical 6</title></head>
<audio width="100%" height="100%" controls="controls">
  <source src="- Manasanta Mukkalu Chesi.mp3" type ="audio/mp3">
</audio>
<video controls="controls" >
  <source src="vedio.mp4" type="video/mp4">
</video>
</html>
```

Output:



PRACTICAL-7

AIM: Create a student registration form using following tags <form> <input>, <text area><button><select><option>. The registration form must 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>
<head> <title> practical 7 </title> </head>

<body>
<h2> registration form </h2>
<h3> student details </h3>

<form> <input> <option> <text> First name </text> </option>
  </input> </form>
<form> <input> <br><text> <option> middle name </text>
  </option> </input> </form>
<form> <input> <br><text> <option> last name </text>
  </option> </input> </form>

<form>

<h3> Contact details </h3>
<input type = "text" name = " country code" value = "+91" size = "2" />
<input><option> <text> phone number </text> </option>
  </select> </input>
<input><option> <text> email id </text> </option>
  </select> </input>

<h3> Hobbies </h3>
<input type = "radio" id = "gaming" value = "html">
<label for "html " > gaming</label> <br>
<input type = "radio" id = "studying" value = "html">
<label for "html " > studying </label> <br>
<input type = "radio" id = "playing" value = "html">
<label for "html " > playing </label> <br>

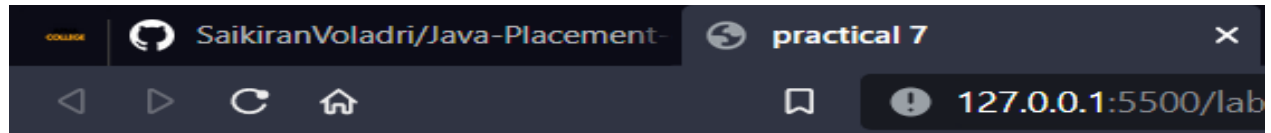
<h3> choose your gender </h3>
<input type = "radio" id = "MALE" value = "html">
<label for "html " > MALE</label>
<input type = "radio" id = "FEMALE" value = "html">
<label for "html " > FEMALE</label>

<h2> address </h2>
```



```
</select><br><br>
<textarea cols="50" rows = "5" value = " address" ></textarea><br><br>
<input type="submit" value="Sign-up">
<input type="button" value="Cancel" onclick="alert('Registration Cancelled')">
</body>
</html>
```

OUTPUT:



registration form

student details

First name

middle name

last name

Contact details

phone number

email id

Hobbies

- ☐ gaming
- ☐ studying
- ☐ playing

choose your gender

- ☐ MALE
- ☐ FEMALE

address

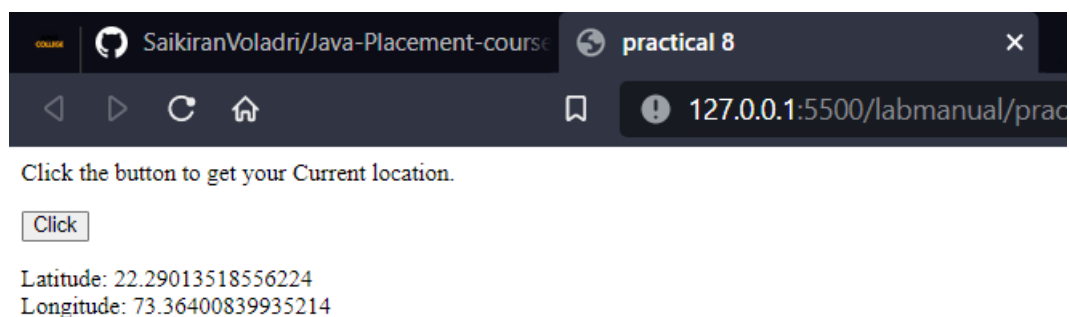
PRACTICAL-8

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

CODE:

```
<html>
<body>
<p>Click the button to get your Current location.</p>
<button onclick="getLocation()">Click</button>
<p id="demo"></p>
<script>
var x = document.getElementById("demo");
function getLocation() {
  if (navigator.geolocation) {
    navigator.geolocation.getCurrentPosition(showPosition);
  } else {
    x.innerHTML = "Geolocation is not supported by this browser.";
  }
}
function showPosition(position) {
  x.innerHTML = "Latitude: " + position.coords.latitude +
    "<br>Longitude: " + position.coords.longitude;
}
</script>
<br><br>
</body>
</html>
```

OUTPUT:



PRACTICAL-9

AIM: Apply inline, internal and external stylesheet to the student registration form.

CODE:

```
<html>
  <head> <title> practical 9</title>
  <link rel="stylesheet" href="styles.css">
</head>
<h2 style="color:rgb(255, 0, 4)" >
  <center><b> Student registration form</b> </center>  </h2>
<body bgcolor="pink">
  <style>
    body {background-color: rgb(195, 226, 23);
    border: 2px black;}
    h4 {color: blue;}
    p {color: rgb(0, 13, 255);}
  </style>
  <form>    <center>
    <h2> NAME</h2>
    FIRSTNAME<text style="color:red" >* </text> <br> <input type="textarea" required > <br>
    MIDDLE NAME <br><input type="textarea"> <br>
    LAST NAME <br><input type="textarea"> <br>

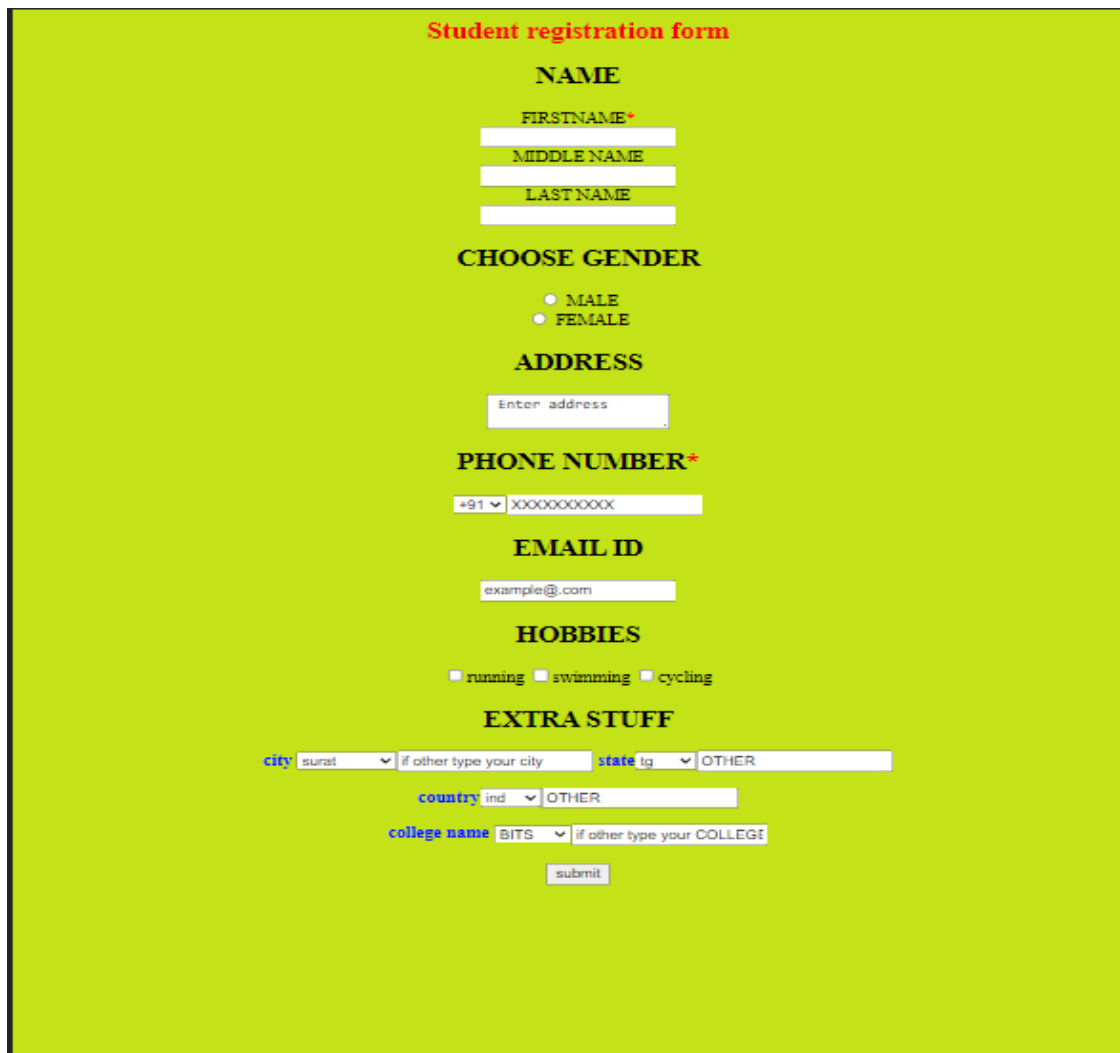
    <h2><b>CHOOSE GENDER</b></h2>
    <input type="radio" value ="male" name ="gender"> MALE <br>
    <input type="radio" value ="female" name ="gender"> FEMALE <br>
    <h2><b>ADDRESS</b></h2>
    <textarea rows="2" cols="20"> Enter address </textarea>
    <h2><b>PHONE NUMBER<text style="color:red" >* </text></b></h2>
    <select>
    <option value="+91" name="number">+91</option>
    <option value="+21" name="number">+21</option>
    <option value="+89" name="number">+89</option>
    <option value="+62" name="number">+62</option>
    <input type="text" value="XXXXXXXXXX" name="number">
    </select>
    <h2><b>EMAIL ID</b></h2>
    <input type="text" value="example@.com">
    <h2><b>HOBBIES</b></h2>
    <input type="checkbox" value="running " name="hobbies" required>running
    <input type="checkbox" value="swimming " name="hobbies">swimming
    <input type="checkbox" value="cycling " name="hobbies">cycling
    <h2><b>EXTRA STUFF</b></h2>
    <p><b>city</b>
    <select>
    <option value="surat" name="city">surat</option>
    <option value="hyderabad" name="city">hyderabad</option>
    <option value="delhi" name="city">delhi</option>
    <option value="chennai" name="city">chennai</option>
    <option value="other" name="city">other<input type="text" value="if other type your city"> </option>
```

```

</select>
<b>state</b></b><select>
  <option value="tg" name="city">tg</option>
  <option value="ap" name="city">ap</option>
  <option value="other" name="city">other<input type="text" value="OTHER"> </option>
<p><b>country</b></b><select>
  <option value="ind" name="city">ind</option>
  <option value="us" name="city">us</option>
  <option value="other" name="city">other<input type="text" value="OTHER"> </option>
</select>
</p><p><b>college name</b></b>
<select><option value="BITS" name="college">BITS</option>
  <option value="PARUL" name="college">PARUL</option>
  <option value="CMR" name="college">CMR</option>
  <option value="SR" name="college">SR</option>
  <option value="other" name="college">other<input type="text" value="if other type your COLLEGE
NAME"> </option>
</select>
</center>
<center><h3><input type="submit" value="submit"></h3></center>
</form>
</body>
</html>

```

OUTPUT:



Student registration form

NAME

FIRSTNAME*

MIDDLE NAME

LAST NAME

CHOOSE GENDER

☐ MALE

☐ FEMALE

ADDRESS

Enter address

PHONE NUMBER*

+91 XXXXXXXXXX

EMAIL ID

example@.com

HOBBIES

☐ running ☐ swimming ☐ cycling

EXTRA STUFF

city surat if other type your city state tg OTHER

country ind OTHER

college name BITS if other type your COLLEGE

submit

PRACTICAL-10

AIM: Implement 2D transformation on Web page.

CODE:

```
<html>
<head>
<link rel="stylesheet" type="text/css" href=" C:\Users\hp\Desktop\html\bala. css">
<style>
div {
    width: 200px;
    height: 100px;
    background-color: cyan;
    border: 1px solid black; }
div#myDiv{
    transform: translate(100px,10px);}
div#Div2{
    transform: rotate(45deg);}
div#Div3{
    transform: scale(0.5, 0.5);}
div#Div4{
    transform: skew(15deg, 45deg);
}
div#Div5{
    transform: matrix(1, 0.5, 0, 0.3, 1, 0);}
</style>
</head>
<body>
<h2 style="color:Green;font-size:20px;text-align:center">2D Transformation methods</h2>
<h1>translate() Method</h1>
<div>
This is normal position
</div>
<div id="myDiv">
This div element is moved 100 pixels to the right, and 10 pixels down from its current position.
</div><br>
<h1>rotate method()</h1>
<div>
Normal position.
</div>
<div id="Div2">
This is after rotating 45 degrees.
</div>
<br><br>
<h1>Scale method()</h1>
<div>
Normal position.
</div>
<div id="Div3">
It is 0.5 times of original width and 0.5 times of its original height.
</div>
<br><br>
<h1>Skew method()</h1>
<div>
Normal position.
</div>
```

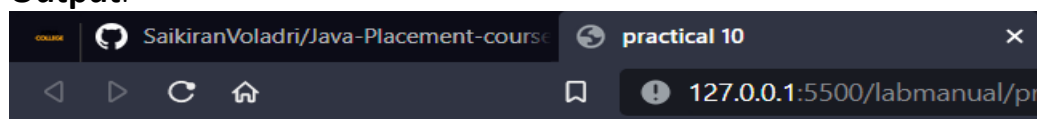
```
<div id="Div4">
This skewed 15degrees along the x-axis and 45 degrees along the y-axis.
</div>
```

```
<br><br><br><br>
<h1>Matrix method()</h1>
<div>
```

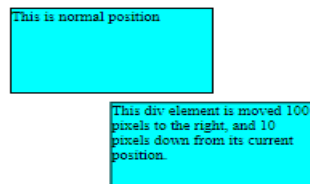
Normal position.

```
</div>
<div id="Div5">
After using matrix method.
</div>
</body>
</html>
```

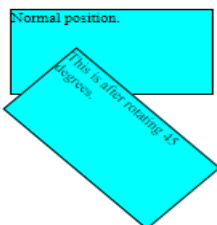
Output:



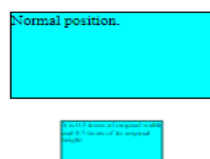
translate() Method



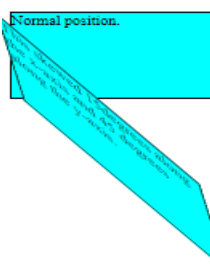
rotate method()



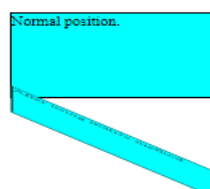
Scale method()



Skew method()



Matrix method()



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>practicle 11</title>
<style>
  body{
    background-color: cyan;
  }
  h1{
    border: 2px solid none;
    width: fit-content;
    background-color: orangered;
  }
  h2{
    border: 2px solid none;
    width: fit-content;
    background-color:cadetblue;
    color:black;
  }
  p{
    width: fit-content;
    background-color: aquamarine;
    font-weight: bold;
  }
</style></head>
<body>
  <h1>Array Methods:</h1>
  <h2>push():</h2>
  <p id="push"></p>
  <p id="pushafter"></p>
  <button onclick="push()">click here</button>
  <h2>pop():</h2>
  <p id="pop"></p>
  <p id="popafter"></p>
  <button onclick="pop()">click here</button>
  <h2>shift():</h2>
  <p id="shift"></p>
  <p id="shiftafter"></p>
  <button onclick="shift()">click here</button>
  <h2>unshift():</h2>
  <p id="unshift"></p>
  <p id="unshiftafter"></p>
  <button onclick="unshift()">click here</button>
  <h2>splice():</h2>
  <p id="splice"></p>
  <p id="spliceafter"></p>
  <button onclick="splice()">click here</button>
  <h2>slice():</h2>
  <p id="slice"></p>
  <p id="sliceafter"></p>
  <button onclick="slice()">click here</button>
```

```

<script>
function push(){
  var fruits = ['Mango','Citrus','Banana'];
  document.getElementById('push').innerHTML=fruits;
  fruits.push('Coconut');
  document.getElementById('pushafter').innerHTML=fruits;
}
function pop(){
  var fruits = ['Mango','Citrus','Coconut','Banana'];
  document.getElementById('pop').innerHTML=fruits;
  fruits.pop();
  document.getElementById('popafter').innerHTML=fruits;
}
function shift(){
  var fruits = ['Mango','Citrus','Banana','Coconut'];
  document.getElementById('shift').innerHTML=fruits;
  fruits.shift();
  document.getElementById('shiftafter').innerHTML=fruits;
}
function unshift(){
  var fruits = ['Citrus','Banana','Mango'];
  document.getElementById('unshift').innerHTML=fruits;
  fruits.unshift('Coconut');
  document.getElementById('unshiftafter').innerHTML=fruits;
}
function splice(){
  var fruits = ['Mango','Citrus','Banana'];
  document.getElementById('splice').innerHTML=fruits;
  fruits.splice(2,0,'Coconut','Guava');
  document.getElementById('spliceafter').innerHTML=fruits;
}
function slice(){
  var fruits = ['Mango','Citrus','Coconut','Banana'];
  document.getElementById('slice').innerHTML=fruits;
  document.getElementById('sliceafter').innerHTML=fruits.slice(1,3);
}
</script>

<h1>Date Methods:</h1>
<h2>getFullYear():</h2>
<p id="getfullyear"></p>
<button onclick="getFullYear()">click here</button>
<h2>getHours():</h2>
<p id="gethours"></p>
<button onclick="getHours()">click here</button>
<h2>getDay():</h2>
<p id="getday"></p>
<button onclick="getDay()">click here</button>
<script>
function getfullyear(){
  var d = new Date();
  document.getElementById('getfullyear').innerHTML = d.getFullYear();    }
function getHours(){
  var d = new Date();
  document.getElementById('gethours').innerHTML = d.getHours();    }
function getDay(){
  var d = new Date();
  switch (d.getDay()){
    case 0:

```

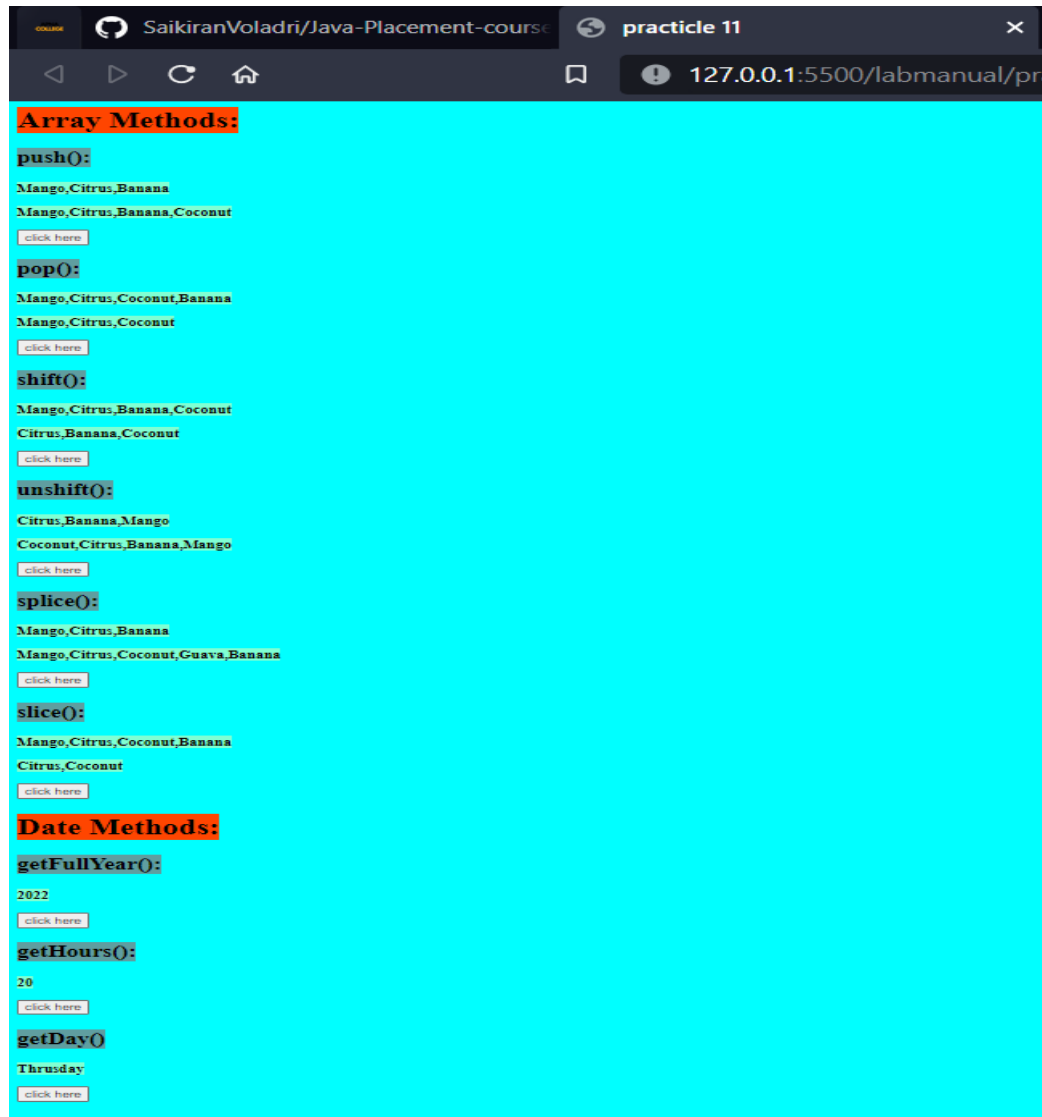


```

        document.getElementById('getday').innerHTML='Sunday';
        break;
    case 1:
        document.getElementById('getday').innerHTML='Monday';
        break;
    case 2:
        document.getElementById('getday').innerHTML='Tuesday';
        break;
    case 3:
        document.getElementById('getday').innerHTML='Wednesday';
        break;
    case 4:
        document.getElementById('getday').innerHTML='Thrusday';
        break;
    case 5:
        document.getElementById('getday').innerHTML='Friday';
        break;
    case 6:
        document.getElementById('getday').innerHTML='Saturday';
        break;} }
</script>
</body>
</html>

```

OUTPUT:



PRACTICAL-12

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

1. 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".

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

CODE:

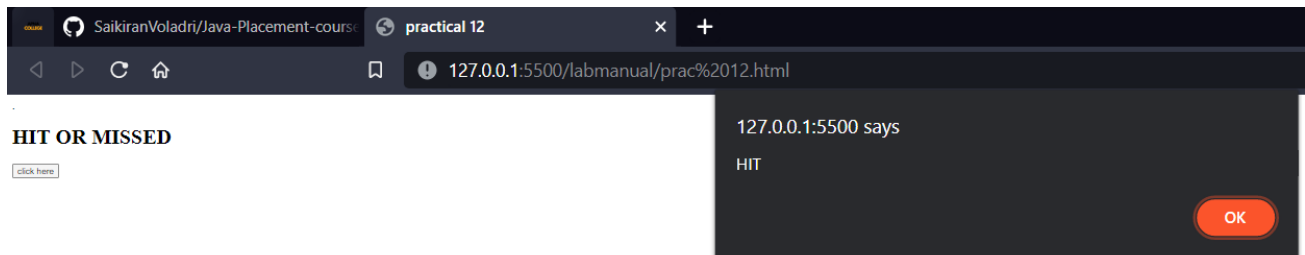
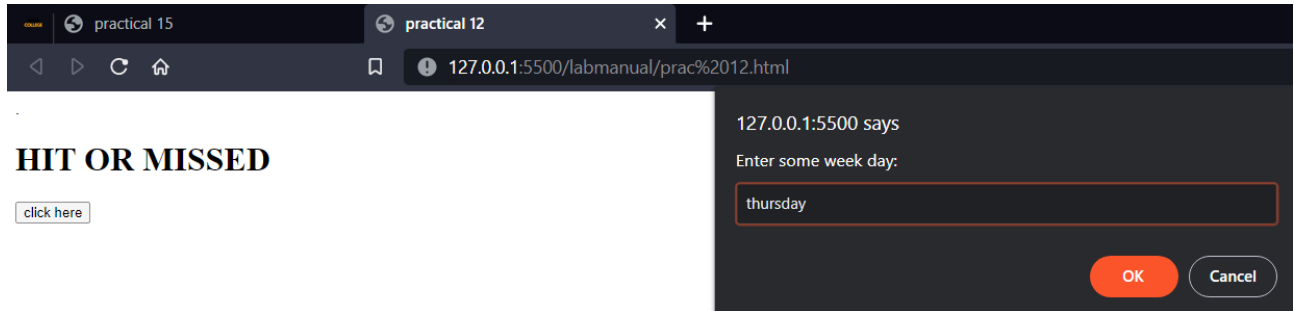
```
1. <html>
  <body>
    <h1>HIT OR MISSED</h1>
    <button onclick="fun()">click here</button>
    <script>
      function fun(){
        var d = new Date();
        var k = "";
        switch (d.getDay()){
          case 0:
            k = 'sunday';
            break;
          case 1:
            k = 'monday';
            break;
          case 2:
            k = 'tuesday';
            break;
          case 3:
            k = 'wednesday';
            break;
          case 4:
            k = 'thursday';
            break;
          case 5:
            k = 'friday';
            break;
          case 6:
            k = 'saturday';
            break;
        }
        var a = prompt("Enter some week day:");
        if(a != null && a != ""){
          if(confirm('press ok')){
            if (a.toLowerCase() == k){
              alert("HIT");
            }
            else{
              alert("MISSED");
            }
          }
        }
      }
    </script>
  </body>
</html>
```

```

    }
    else{
        alert("Field should not be empty..Enter week day!!!!");
    }
}
</script>
</body>
</html>

```

OUTPUT:



```

2. <html>
  <head>
    <style>
      body{
        background-color:cyan;
      }
    </style>
  </head>
  <body>
    <h1>BMI caculator</h1>
    <label for ="height">Height(cm)</label>
    <input type="number" id="height"><br><br>

    <label for="weight">Weight(kg)</label>
    <input type="number" id="weight"><br><br>

    <button id="calculate" onclick="fun()">Calculate BMI</button>

    <h2>Your BMI is :</h2>
    <h2 id="value"></h2>
    <h2>You are:</h2>
    <h2 id="condition"></h2>
    <script>
      function fun(){
        let h = document.getElementById('height').value;
        let w = document.getElementById('weight').value;
        h = h/100;
        var BMI = (w/(h*h));
      }
    </script>
  </body>
</html>

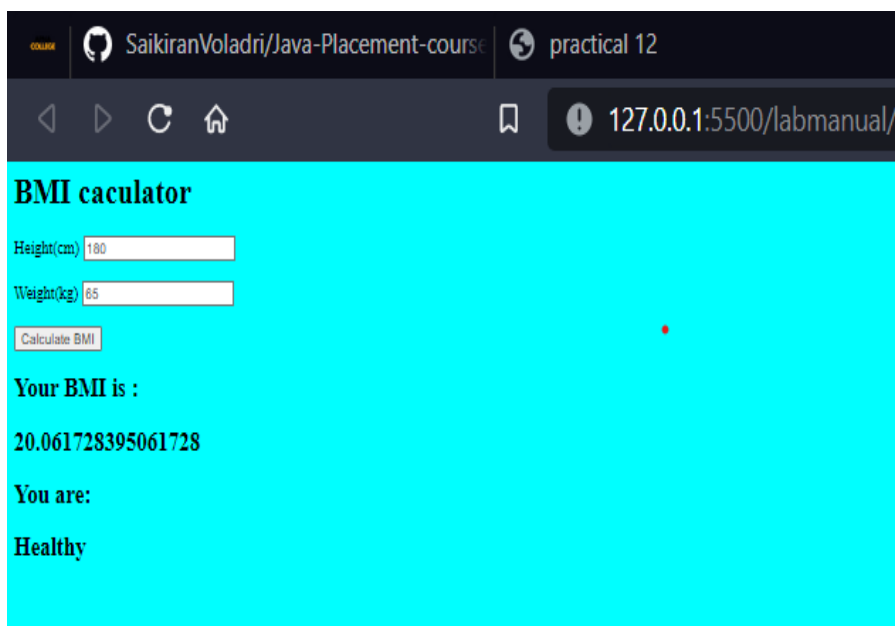
```

```

var status = "";
if (BMI <18.5){
    status = "Under Weight";
}
if(BMI >= 18.5 && BMI < 25){
    status = "Healthy";
}
if(BMI >= 25 && BMI <30){
    status = "Overweight";
}
if(BMI >= 30){
    status = "Obese";
}
document.getElementById('value').innerHTML=BMI;
document.getElementById('condition').innerHTML=status;
}
</script>
</body>
</html>

```

OUTPUT:



PRACTICAL-13

AIM: Write JavaScript to perform the following operations:

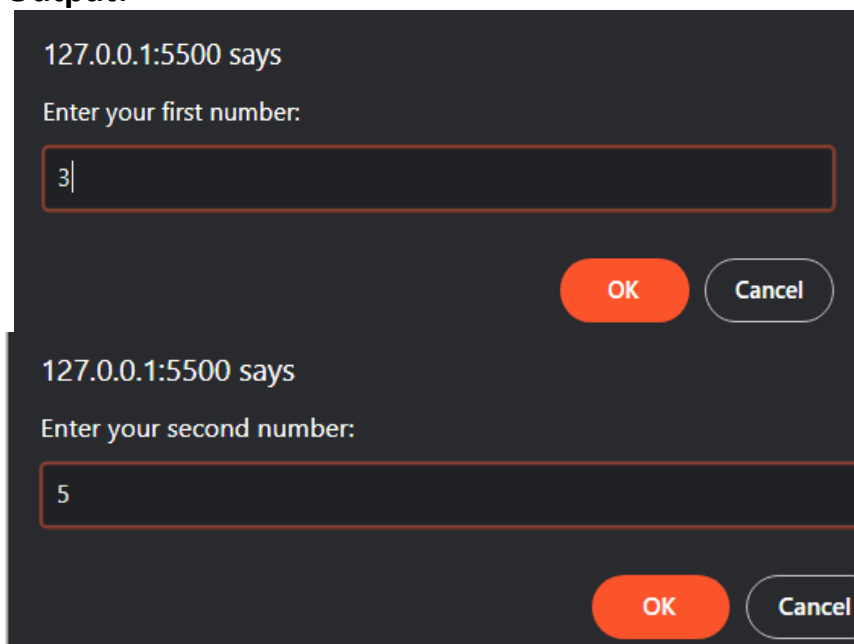
- to find highest from given three values
- to calculate factorial of n

CODE: . <html>

```
<body>
<script>
var num1 = prompt("Enter your first number: ");
var num2 = prompt("Enter your second number: ");
var num3 = prompt("Enter your third number: ");
var largest;
if(num1>=num2&&num1>=num3){
    largest = num1;
}else if(num2>=num1&&num2>=num3){
    largest = num2;
}else{
    largest = num3;
}
alert(largest + "is a highest number");
</script>
</body>
</html>
```

a

Output:



127.0.0.1:5500 says

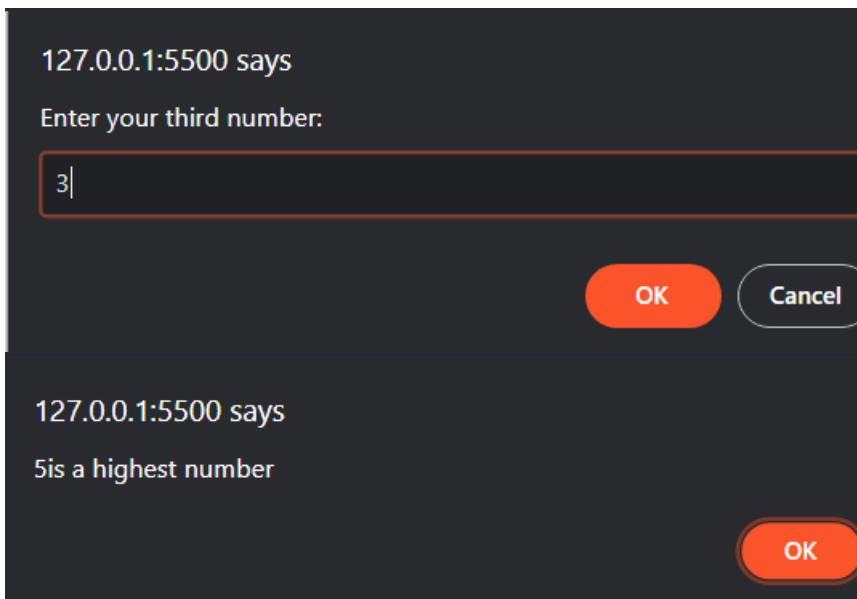
Enter your first number:

OK Cancel

127.0.0.1:5500 says

Enter your second number:

OK Cancel



127.0.0.1:5500 says

Enter your third number:

3

OK Cancel

127.0.0.1:5500 says

5 is a highest number

OK

Among 3,5,3 numbers it shows the 5 is highest number.

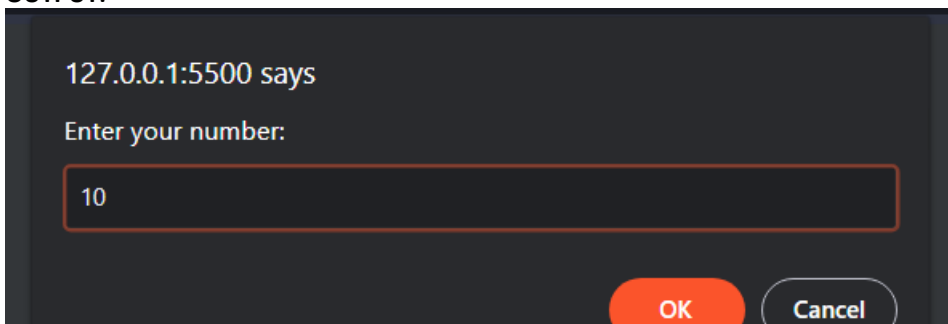
This is how we can find the highest number among three numbers.

b.

CODE:

```
<html>
<body>
<script>
var num = prompt("Enter your number: ");
var fact = 1;
for(let i = 1;i<=num;i++){
fact = fact*i; }
alert("factorial of a number is : " + fact);
</script>
</body>
</html>
```

OUTPUT:

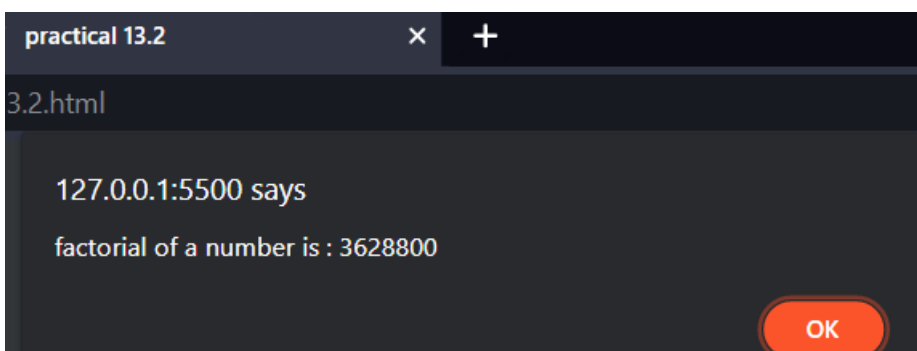


127.0.0.1:5500 says

Enter your number:

10

OK Cancel



practical 13.2 × +

3.2.html

127.0.0.1:5500 says

factorial of a number is : 3628800

OK

PRACTICAL-14

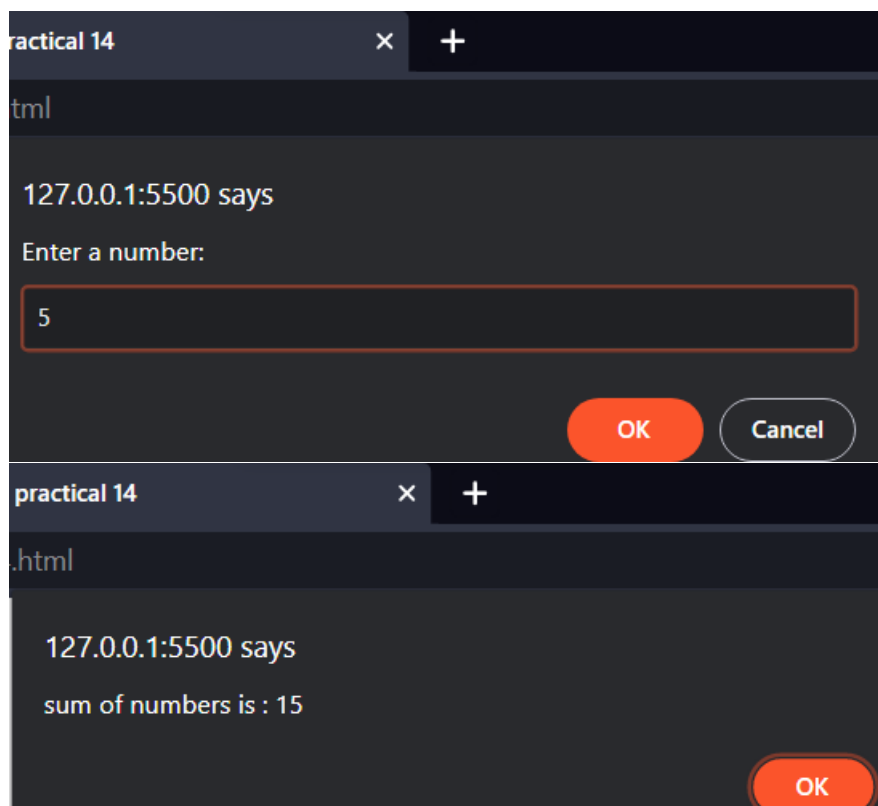
AIM: Write JavaScript to perform the following operations:

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

CODE:

```
<html>
<body>
<script>
var num = prompt("Enter a number: ");
var sum = 0;
for(let i =0;i<=num;i++){
sum = sum + i;
}
alert("sum of numbers is : " + sum);
</script>
</body>
</html>
```

OUTPUT:



It tells that sum of first 5 numbers is equal to 15.

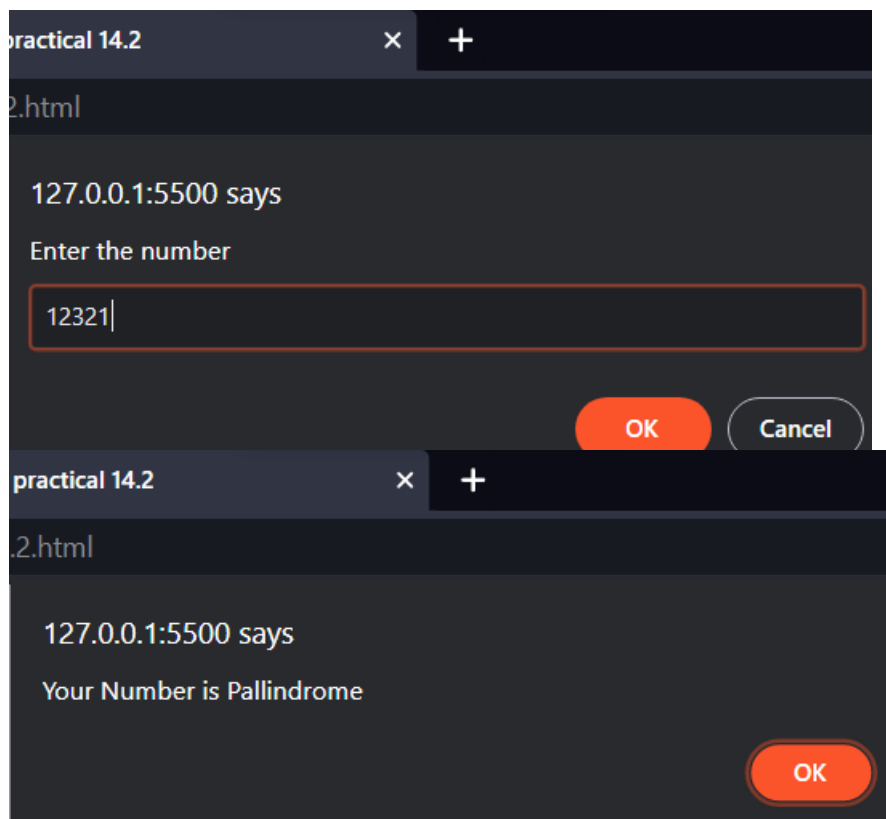
b.

CODE:

```
<html>
<body>
  <script>
    var num = prompt("Enter the number");
    var str = 0,
        rem;
    var temp = num;
    while (num > 0) {
      rem = num % 10;
      num = parseInt(num / 10);
      str = str * 10 + rem;
    }

    if (temp == str) {
      alert("Your Number is Pallindrome");
    } else {
      alert("Your Number is not Pallindrome");
    }
  </script>
</body>
</html>
```

OUTPUT:



Here it says that 12321 is a palindrome number.

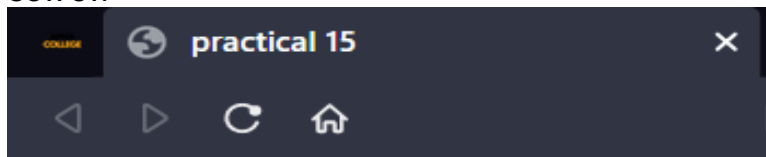
PRACTICAL-15

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

CODE:

```
<html>
<body>
<h1>Current date and time.</h1>
<p id="demo"></p>
<p id="demo1"></p>
<script>
var a = new Date();
var b = a.getHours();
document.getElementById("demo").innerHTML=a;
document.getElementById("demo1").innerHTML=b;
</script>
</body>
</html>
```

OUTPUT:



Current date and time.

Thu Sep 08 2022 21:23:51 GMT+0530 (India Standard Time)

21

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 href="01.xsl" type="text/xsl"?>
<CD_CATALOGUE>
  <CD>
    <title>Kalvathi</title>
    <singer>Sid Sriram</singer>
    <genre>Dance/Electronic</genre>
    <year>2022</year>
  </CD> <CD>
    <title>Rakkamma</title>
    <singer>Mangli</singer>
    <genre>folk</genre>
    <year>2022</year>
  </CD> <CD>
    <title>Arabic Kutthu</title>
    <singer>Anirudh</singer>
    <genre>pop</genre>
    <year>2022</year>
  </CD> <CD>
    <title>kesaria</title>
    <singer>Sid sriram</singer>
    <genre>melody</genre>
    <year>2022</year>
  </CD> <CD>
    <title>jai ganesha</title>
    <singer>ar Rehman</singer>
    <genre>folk</genre>
    <year>2021</year>
  </CD> <CD> <title>Dj tillu</title>
    <singer>Ram Miryala</singer>
    <genre>Dance,Folk</genre>
    <year>2021</year>
  </CD> <CD>
    <title>Naatu Naatu</title>
    <singer>Kala Bairava</singer>
    <genre>Dance/Electronic, pop</genre>
    <year>2022</year>
  </CD> <CD>
    <title>hey sita</title>
    <singer>Bala subramanyam</singer>
    <genre>melody</genre>
    <year>2020</year>
  </CD>
</CD_CATALOGUE>
```

FILE.XSL:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
```

```
<xsl:template match="/">
  <html>
    <head>
    </head>
    <body>
      <h2>My CD Collection</h2>
      <table border="1">
        <tr>
          <th>Title</th>
          <th>Artist</th>
          <th>genre</th>
          <th>Year</th>
        </tr>
        <xsl:for-each select="CD_CATALOGUE/CD">
          <tr> <td>
            <xsl:value-of select="title" />
          </td> <td>
            <xsl:value-of select="singer" />
          </td> <td>
            <xsl:value-of select="genre" />
          </td> <td>
            <xsl:value-of select="year" />
          </td> </tr>
        </xsl:for-each>
      </table>
    </body>
  </html>
</xsl:template>
</xsl:stylesheet>
```

OUTPUT:

Title	Artist	genre	Year
Kalvathi	Sid Sriram	Dance/Electronic	2022
Rakkamma	Mangli	folk	2022
Arabic Kutthu	Anirudh	pop	2022
kesaria	Sid sriram	melody	2022
jai ganesha	ar Rehman	folk	2021
Dj tillu	Ram Miryala	Dance,Folk	2021
Naatu Naatu	Kala Bairava	Dance/Electronic, pop	2022
hey sita	Bala subramanyam	melody	2020

PRACTICAL-17

AIM: Creating the JavaScript file to handle our json.

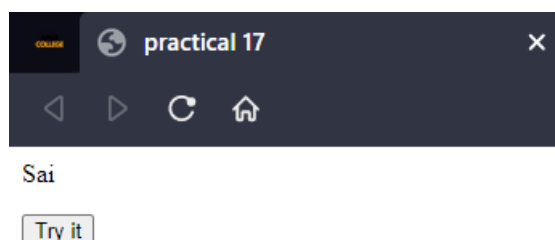
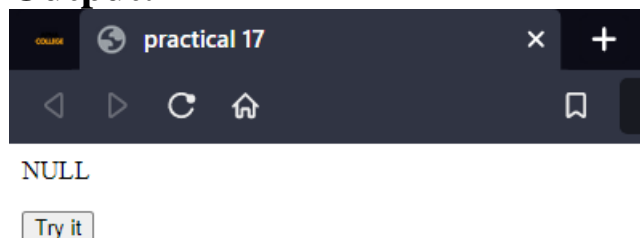
CODE:

```
<html>
  <head><title>practical 17</title>
    <script src="prac17.js"></script>
  </head>
  <p id="json">NULL</p>
<button onclick="parseJson()">Try it</button>
</html>
```

JS:

```
function parseJson() {
  var content = '{ "students": [ { "name": "Sai", "age": "20", "marks": [4, 5, 5] }, { "name": "Kiran", "age": "21", "marks": [5, 5, 5] }, { "name": "Mani", "age": "22", "marks": [5, 5, 5] } ]}';
  var json = JSON.parse(content);
  // show on document
  document.getElementById('json').innerHTML = json.students[0].name;
}
```

Output:



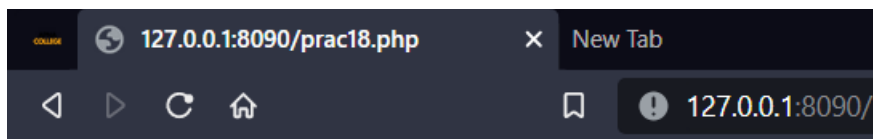
PRACTICAL- 18

Aim: Write a PHP code to print your personal details

Code:

```
<?php
echo "<h2>PERSONAL DETAILS</h2>";
$name = "Sai kiran Voladri";
$age = 20;
$university = "PU";
echo "<h2>Hello everyone 🙌 </h2>";
echo "My name is <strong>$name
    </strong> and I am $age years old.
    I am studying in <i>$university.</i>";
?>
```

Output:



PERSONAL DETAILS

Hello everyone 🙌

My name is Sai kiran Voladri and I am 20 years old. I am studying in PU.

PRACTICAL- 19

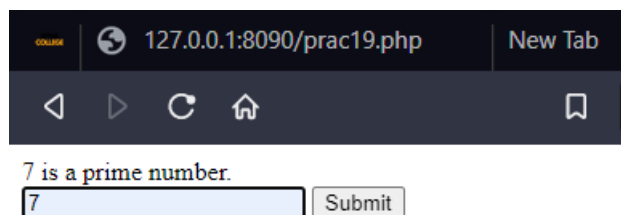
Aim: Write a PHP code to shows the use of Decision Making and find out if given number is prime or not prime.

Code:

```
<?php
    $number = $_POST['t1'];
    // prime number logic
    $flag = 0;
    for($i = 2; $i <= $number/2; ++$i) {
        // condition for non-prime number
        if($number % $i == 0) {
            $flag = 1;
            break;
        }
    }
    if ($flag == 1) {
        echo "$number is not a prime number.";
    }
    else {
        echo "$number is a prime number.";
    }
}
?>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
    <head>
        <title>GG</title>
    </head>
    <body>
        <form action="19.php" name="f1" method="post">
            <input type="text" name="t1" placeholder="Enter First Number" required>
            <input type="submit" value="Submit" />
        </form>
    </body>
</html>
```

Output:



PRACTICAL-20

AIM: Write a PHP code for database connection with MySQL and also perform Insert and Delete.

CODE:

```
<?php
// connect to database
$db = mysqli_connect("localhost", "root", "", "db01");
if (!$db) {
    echo "Database connection failed. " . mysqli_connect_error();
}
else {
    echo "<p>-> Database connection successful.</p>";
}

// Insertion
echo "<p><strong> Insert </strong></p>";
mysqli_query($db, "INSERT INTO `test20`(`ERP`, `Name`, `Class`) VALUES (003,'Sai','5sem');");

// print table
$select = "SELECT * FROM `test20`";
$result = mysqli_query($db, $select);

while($row = $result->fetch_assoc()) {
    echo "ERP: " . $row["ERP"]. " - Name: " . $row["Name"]. " " . $row["Class"]. "<br>";
}

// add more values
mysqli_query($db,
    "INSERT INTO `test20`(`ERP`, `Name`, `Class`) VALUES (192,'Suman Srinivas','5sem');");
mysqli_query($db,
    "INSERT INTO `test20`(`ERP`, `Name`, `Class`) VALUES (255,'saiKiran','5sem');");

$select = "SELECT * FROM `test20`";
$result = mysqli_query($db, $select);
while($row2 = $result->fetch_assoc()) {
    echo "ERP: " . $row2["ERP"]. " - Name: " . $row2["Name"]. " " . $row2["Class"]. "<br>";
}

echo "<p><strong> Deletion </strong></p>";
// delete values
mysqli_query($db, "DELETE FROM `test20` WHERE `ERP`=003;");

$result = mysqli_query($db, "SELECT * FROM `test20`");
while($row2 = $result->fetch_assoc()) {
    echo "ERP: " . $row2["ERP"]. " - Name: " . $row2["Name"]. " " . $row2["Class"]. "<br>";
}

?>
```

OUTPUT:

-> Database connection successful.

Insert

ERP: 3 - Name: Sai 5sem

ERP: 3 - Name: Sai 5sem

ERP: 192 - Name: Suman Srinivas 5sem

ERP: 255 - Name: saiKiran 5sem

Deletion /

ERP: 192 - Name: Suman Srinivas 5sem

ERP: 255 - Name: saiKiran 5sem