



Parul University

FACULTY OF ENGINEERING AND TECHNOLOGY BACHELOR
OF TECHNOLOGY

WEB PROGRAMMING LABORATORY
(203105344)

5th SEMESTER
COMPUTER SCIENCE & ENGINEERING DEPARTMENT

CERTIFICATE

This is to certify that **Mr. KANAMARLAPUDI VENKATA SUBBARAO** with
enrolment no. **200303124259** has successfully completed his/her
laboratory experiments in the **WEB PROGRAMMING (203105344)** from
the department of **PIET CSE-AI** during the academic year **2022-23**



Date of Submission:

Staff In charge:

Head Of Department:

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Sr.No	Experiment Name	Page No		Date of Performance	Date of Submission	Marks	Sign
		To	From				
1	Create a web page containing resume with the help of basic HTML tags.						
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3	Create the below given table.						
4	Using Frames Divide the web page as follow						
5	Create a HTML5 web page which shows 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 tags <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 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. 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) & Heigth(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>
      K.VENKATA SUBBARAO
    </title>
  </head>

  <body>
    
    <h1 align="center"> K.VENKATA SUBBARAO </h1>

    <h4 align="center">
      [ Gurazala, Andhra pradesh, India ]
    </h4>
    <br><br><br>
    <hr>
    <h2>
      Objective:
    </h2>
    <p>
      <h4>Interested in software Engineering</h4>
    </p>
    <br>
    <h2>Education:</h2>

    <p>•
      <strong>BTech in Parul University vadodara</strong>
      [~8.0/10 GPA]</p>
    <p>•
      <strong>11 & 12 in Rajadhani jr collage vijayawada</strong>
      [9.0/10 GPA]</p>
    <p>•
      <strong>viswabharathi [E.M] high school Gudivada</strong>
      [9.5/10 GPA]</p>

    <br>
```

```
<h3> projects:</h3>
  <br>●<strong> clock </strong></br>
  <br>●<strong> snake game</br>
  <br>●<strong>calculating the age in terms of months and days
</strong></br>
  <br>●<strong> resume buliding </strong></br>

<h2>Skills & Beings</h2>

  <strong>Languages:</strong>
  <p>
    | C
    | Python
    | Java
    | C++
    | Bash
    | Html
    </p>

</p>
<h2>Contact Me:</h2>● Github:<a
href="https://github.com/subbaraokanamarlapudi">subbaraokanamarlapudi</a>
  <br>● Gmail : subbaraov446@gmail.com
  <br>● phone number : 9346319691

</html>
```

Output:

K.VENKATA SUBBARAO

[Gurazala, Andhra pradesh, India]



Objective:

Interested in software Engineering

Education:

- BTech in Parul University vadodara [~8.0/10 GPA]
- 11 & 12 in Rajadhani jr collage vijayawada [9.0/10 GPA]
- viswabharathi [E.M] high school Gudivada [9.5/10 GPA]

projects:

- clock
- snake game
- calculating the age in terms of months and days
- resume buliding

Skills & Beings

Languages:

| C | Python | Java | C++ | Bash | Html

Contact Me:

- Github:subbaraokanamarlapudi
- Gmail : subbaraov446@gmail.com
- phone number : 9346319691

Practical 2

Aim:

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

Code:

```
<html>
  <head>
    <title>
      Restaurant Menu
    </title>
  </head>
</head>

<body>
  <h1 align="center">PU Reastarent</h1>
  
  <br><br><br><br><br>
  <hr>
  <h2><u>Todays Specials:</u> <i>Only for hostel students</i></h2>
  <ol>
    <li>Coffee [Rs.20]</li>
    <li>Tea [Rs.15]</li>
    <li>Cool drink [Rs.20]</li>
  </ol>
  <ol><li><b>BIRYANI</b> <ul>
    <li>Chicken Biryani</li>
    <li>Egg Biryani</li>
    <li>Mutton Biryani</li>
    <li>Panner Biryani</li>
    <li></li>
  </ul></li>
  <li><b>PANEER AAP KI PASAND</b> <ul type="square">
    <li>Paneer Roast Masala</li>
    <li>Paneer Handi</li>
    <li>Panner Tikka Masala</li>
    <li>Panner Butter Masala</li>
    <li>Mutter Panner</li>
  </ul></li>
  <li><b>Soft drinks</b> <ul type="disc">
    <li>Thums up</li>
  </ul>
  </li>
</body>
</html>
```



```
<li>Sprite</li>
<li>String</li>
<li>Fanta</li>
<li>Red bull</li>
</ul></li>
</ol>
</body>
```

Output:

PU Reastarent



Today's Specials: *Only for hostel students*

1. Coffee [Rs.20]
2. Tea [Rs.15]
3. Cool drink [Rs.20]

1. BIRYANI

- Chicken Biryani
- Egg Biryani
- Mutton Biryani
- Panner Biryani
-

2. PANEER AAP KI PASAND

- Paneer Roast Masala
- Paneer Handi
- Panner Tikka Masala
- Panner Butter Masala
- Mutter Panner

3. Soft drinks

- Thumb's up
- Sprite
- String
- Fanta
- Red bull

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:

```
<html>
  <head>
    <title>
      CREATING A TABLE
    </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">
      Fred
    </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>

  <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 follow

code:

practical-04

```
<html>
  <frameset rows = "25% , 50% ,75%">
    <frame style="background-color: blueviolet;"src = "frame1.html"/>
    <frameset cols = "30% ,70%">
      <frame style="background-color:blue;"src = "frame2.html">
      <frame style="background-color:green;"src = "frame3.html">
      <frame src = "frame2.html"/>
      <frame src = "frame3.html"/>
    </frameset>
  <frameset rows = "25% ,50% ,75%">
    <frame style="background-color: aqua;"src = "frame4.html"/>
  </frameset>
</html>
```

Frame1.html

```
<html>
  <head>
    <title>
      WEB PROGRAMMING LAB
    </title>
    <h1 align="centre"> This is a header </h1>
  </head>
</html>
```

Frame2.html

```
<html>
<head>
<title>
WEB PROGRAMMING LAB
</title>
<body>
  <h2> Look in the box at the right for some information </h2>
</body>
</head>
</html>
```

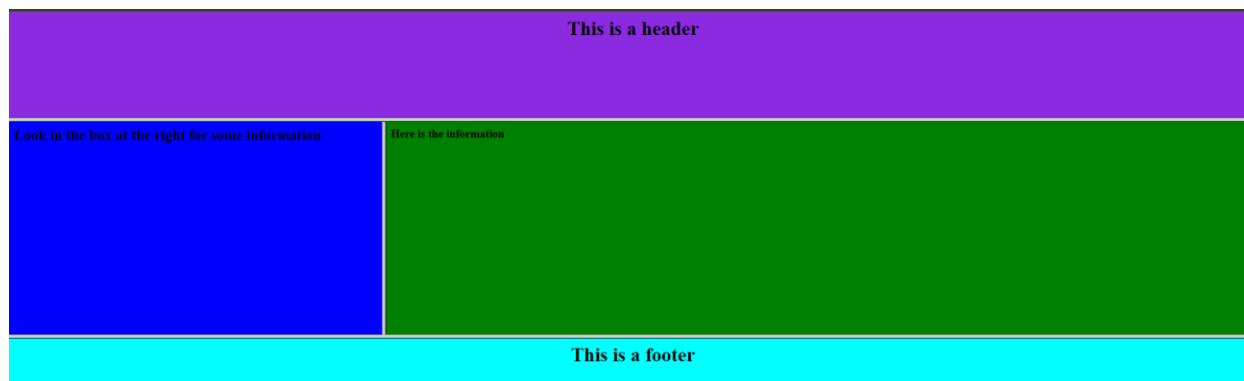
Frame3.html

```
<html>
  <head>
    <title>
      WEB PROGRAMMING LAB
    </title>
    <h3> Here is the information </h3>
  </head>
</html>
```

Frame4.html

```
<html>
  <head>
    <title>
      WEB PROGRAMMING LAB
    </title>
    <h1 align="center"> This is a footer </h1>
  </head>
</html>
```

Output



Practical 5

Aim:

Create a HTML5 web page which shows the use of Canvas

Code:

```
<html>
  <head>
    <title>
      Canvas
    </title>
  </head>
  <body>
    <h1>Canvas</h1>
    <canvas id="canvas1"></canvas><br>
    <canvas id="canvas2"></canvas><br>
    <canvas id="canvas3"></canvas><br>
    <canvas id="canvas4" height="50" width="50"></canvas><br>
    <canvas id="canvas5"></canvas><br>
    <canvas id="canvas6" height="200" width="200"></canvas><br>
    <script src="12.js"></script>
  </body>
</html>

<script>
const canvas1 = document.getElementById('canvas1');
const canvas2 = document.getElementById('canvas2');
const canvas3 = document.getElementById('canvas3');
const canvas4 = document.getElementById('canvas4');
const canvas5 = document.getElementById('canvas5');
const canvas6 = document.getElementById('canvas6');

const ctx1 = canvas1.getContext('2d');
const ctx2 = canvas2.getContext('2d');
const ctx3 = canvas3.getContext('2d');
const ctx4 = canvas4.getContext('2d');
const ctx5 = canvas5.getContext('2d');
const ctx6 = canvas6.getContext('2d');

ctx1.beginPath();
ctx1.strokeStyle = '#ff0000';
```

```
ctx1.moveTo(0, 0);
ctx1.lineTo(100,0);
ctx1.lineWidth = 7;
ctx1.stroke();

ctx2.beginPath();
ctx2.strokeStyle = '#ff0000';
ctx2.arc(50, 100, 50, 0, 2 * Math.PI);
ctx2.stroke();
ctx2.fill();

ctx3.beginPath();
ctx3.font = '150px';
ctx3.strokeStyle = '#EF476F';
ctx3.fillText('KVSR', 10, 50);
ctx3.stroke();

const img = new Image();
img.src = "CDC.jpg";
img.onload = () =>
{
    ctx4.drawImage(img,8,2,50,50);
}

const grd = ctx5.createLinearGradient(63,94,251, 0);
grd.addColorStop(0, 'blue');
grd.addColorStop(1, 'white');
ctx5.fillStyle = grd;
ctx5.fillRect(0, 0, 200, 200);

const grd2 = ctx6.createRadialGradient(100, 100, 50, 100, 100, 100);
grd2.addColorStop(0, 'green');
grd2.addColorStop(1, 'white');
ctx6.fillStyle = grd2;
ctx6.fillRect(0, 0, 200, 200);
</script>
</body>
</html>
```


Output:

Canvas



KVSR



Practical 6

Aim:

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

Code:

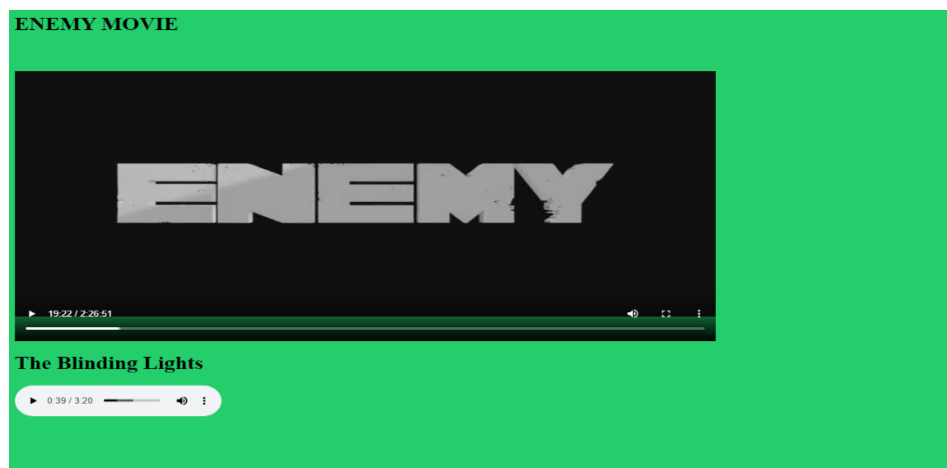
```
<html>
  <head>
    <title>
      VIDEO AND AUDIO
    </title>

    <h1>ENEMY MOVIE</h1>
    <video width="50%" height="50%" controls="controls">
      <source src="Enemy-Telugu-k3jgs-2021.mp4" type="video/mp4">
    </video>

    <h1>The Blinding Lights </h1>
    <body bgcolor="#23CE6B">
    <audio width="50%" height="50%" controls="controls">
    <source src="The Weeknd - Blinding Lights.mp3" type="audio/mp3">
    </audio>

  </head>
</html>
```

Output:



Practical 7

Aim:

Create a student registration form using the following tags <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)

Code:

```
<html>
  <body>
    <title>
      STUDENT REGISTRATION
    </title>
  </body>
  <body>
    <h1> STUDENT REGISTRATION </h1>
    <form>
      <br><input type="text" name="first name" placeholder="First
Name"><br>
      <br><input type="text" name="Middle Name" placeholder="Middle
Name"><br>
      <br><input type="text" name="last name" placeholder="Last Name"><br>

      <br><input type="radio" name="gender" value="male"> Male </input><br>
      <input type="radio" name="gender" value="male"> Female </input><br>

      <br><input type="text" name="email" placeholder="Email"><br>
      <br><input type="tel" name="phone" placeholder="Phone"><br>
      <br><input type="date" name="birthday" placeholder="Birthday"><br>

      <br><input type="text" name="city" placeholder="city"><br>
      <br><input type="text" name="state" placeholder="state"><br>

      <br><select>
        <option value="PIET"> PIET </option>
        <option value="PIT"> PIT </option>
        <option value="Medical"> Medical </option>
        <option value="Aeronautical"> Aeronautical </option>
        <option value="Chemical"> Chemical </option>
        <option value="Law"> Law </option>
```

```
        </select><br>

        <br><input type="checkbox" name="hobbies" value="hobby1">Gaming in
moblie<br>
        <input type="checkbox" name="hobbies" value="hobby2">Reading<br>
        <input type="checkbox" name="hobbies" value="hobby3">Playing
games<br>
        <br><textarea name="address" placeholder="Address"
rows="5"></textarea>
        <br>
        <br><input type="submit" value="Submit">
        <input type="reset" value="Reset">
        <button onclick="alert('your form is Canceled go home')">Cancel
* </button>
    </form>
</body>
</html>
```

Output:

STUDENT REGISTRATION

- ☐ Male
☐ Female

- ☐ Gaming in moblie
☐ Reading
☐ Playing games

Practical 8

Aim:

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

Code:

```
<html>
  <head>
    <title>Prac 08</title>
    <script src="08.js"></script>
  </head>
  <body>
    <p id="textv">KVSR</p>
    <button onclick="setup()">CLCK HERE</button>
  </body>
</html>
```

08.js

```
var geoLoc = navigator.geolocation;

function setup() {
  if (geoLoc) {
    geoLoc.getCurrentPosition(function(position) {
      var tv = document.getElementById("textv");
      var latitude = position.coords.latitude;
      var longitude = position.coords.longitude;

      tv.innerHTML = ("latitude =" + latitude + " Longitude =" + longitude);
    });
  }
}
```

Output:

latitude =22.2844 Longitude =73.3294

[CILCK HERE](#)

Practical 9

Aim:

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

Code:

```
<html>
  <body>
    <title>
      STUDENT REGISTRATION
    </title>

    <style>
      input[type="text"] {
        padding: 10px;
        border: #16dcbf 1px solid;
        border-radius: 5px;
        margin: 4px;
      }
      h1 {
        color: white;
        text-decoration-line: underline;
      }
      h1:hover {
        text-decoration:underline dotted;
      }
    </style>

    <link rel="stylesheet" type="text/css" href="prac9.css">
  </head>
  <body>
    <h1 id="head" align="center" style="font-family: system-ui, -apple-
system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen, Ubuntu, Cantarell, 'Open
Sans', 'Helvetica Neue', sans-serif;">

    <body>
      <h1> STUDENT REGISTRATION </h1>
      <form>
        <br><input type="text" name="first name" placeholder="First
Name"><br>
        <br><input type="text" name="Middle Name" placeholder="Middle
Name"><br>
        <br><input type="text" name="last name" placeholder="Last Name"><br>
```



```
<br><input type="radio" name="gender" value="male"> Male </input><br>
<input type="radio" name="gender" value="male"> Female </input><br>

<br><input type="text" name="email" placeholder="Email"><br>
<br><input type="tel" name="phone" placeholder="Phone"><br>
<br><input type="date" name="birthday" placeholder="Birthday"><br>

<br><input type="text" name="city" placeholder="city"><br>
<br><input type="text" name="state" placeholder="state"><br>

<br><select>
  <option value="PIET"> PIET </option>
  <option value="PIT"> PIT </option>
  <option value="Medical"> Medical </option>
  <option value="Aeronatical"> Aeronatical </option>
  <option value="Chemical"> Chemical </option>
  <option value="Law"> Law </option>
</select><br>

<br><input type="checkbox" name="hobbies" value="hobby1">Gaming in
moblie<br>
<input type="checkbox" name="hobbies" value="hobby2">Reading<br>
<input type="checkbox" name="hobbies" value="hobby3">Playing
games<br>
<br><textarea name="address" placeholder="Address"
rows="5"></textarea>
<br>
<br><input type="submit" value="Submit">
<input type="reset" value="Reset">
<button onclick="alert('your form is Canceled go home')">Cancel
* </button>
  </form>
</body>
</html>
```

CSS:

```
input[type=text]:focus
{
  padding: 10px;
  display: inline-block;
  border: 1px solid rgb(63, 251, 251);
  border-radius: 1px;
  box-sizing: border-box;
}
```

```
select
{
  border: #16dcbf 1px solid;
  border-radius: 0.2rem;
  width: 10rem;
  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

input[type=radio]
{
  font-family: 'Open Sans', sans-serif;
}

input[type=tel]
{
  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

input[type=checkbox]
{
  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

input[type=submit]
{
  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

input[type=reset]
{
  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

button
{
  border: #16dcbf 1px solid;
  font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}
```

```
input[type=checkbox]
{
    font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

textarea
{
    width: 10rem;
    font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI',
Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif;
}

body
{
    background: rgb(251, 63, 213);
    background: radial-gradient(circle, rgb(129, 251, 63) 0%, rgba(252,70,107,1)
100%);
}
```

Output:

STUDENT REGISTRATION

First Name

Middle Name

Last Name

☐ Male

☐ Female

Email

Phone

dd-mm-yyyy

city

state

PIET

☐ Gaming in moblie

☐ Reading

☐ Playing games

Address

Practical 10

Aim:

Implement 2D transformation on Web page.

Code:

```
<html>

<head>
  <style>
    body {

      background: linear-gradient(to right, rgb(255, 0, 251), rgb(13, 255, 0), orange);
    }
    div#translate {
      width: 350px;
      padding: 10px;
      height: 350px;
      background-color: aqua;
      border-radius: 250px;
      box-shadow: 25px 25px 35px blue;
      border: 3px solid black;
      transform: translate(200px, 100px);
      text-align: center;
    }
    div#rotate {
      width: 350px;
      height: 350px;
      background-color: rgb(4, 0, 255);
      border: 3px solid black;
      transform: rotate(30deg);
    }
    div#scale {
      width: 300px;
      height: 100px;
      background-color: rgb(0, 255, 85);
      border: 3px solid black;
      transform: scale(3, 2)
    }
    div#skew {
      width: 300px;
```

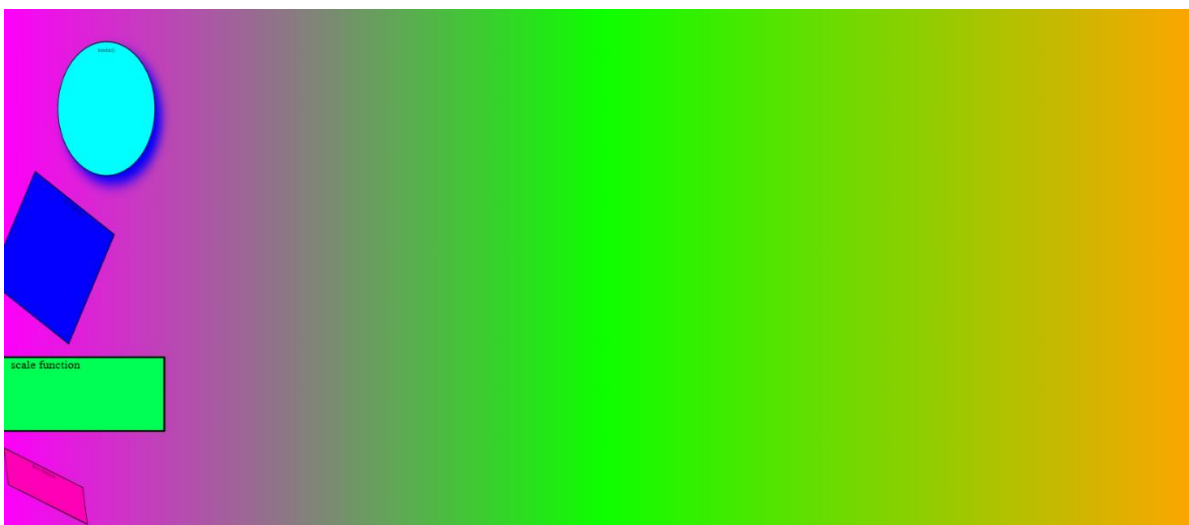
```
        height: 100px;
        background-color: rgb(255, 0, 183);
        border: 3px solid black;
        transform: skew(10deg, 20deg);
    }
</style>
</head>

<body>
    <div id="translate">
        translate()
    </div>
    <br><br><br><br><br><br><br><br>
    <div id="rotate">
        <center> rotate function</center>
    </div>
    <br><br> <br><br><br><br><br><br>

    <div id="scale">
        <center> scale function</center>
    </div>
    <br><br> <br><br><br><br><br><br>
    <div id="skew">
        <center> skew function</center>
    </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> web programming </title>
    <style>
      p
      {
        font-weight: bold;
        font-size: 30px;
        width: fit-content;
        background-color: aqua;
      }
    </style>
  </head>
  <body>
    <h1> ARRAY METHODS : </h1>

    <h2> PUSH </h2>
    <p id="PIET1"></p>
    <button onclick="KVSr()">KVSr</button>

    <h2> POP </h2>
    <p id="PIET2"></p>
    <button onclick="KVSr1()">KVSr1</button>

    <h2> SHIFT </h2>
    <p id="PIET3"></p>
    <button onclick="KVSr2()">KVSr2</button>

    <h2> UNSHIFT </h2>
    <p id="PIET4"></p>
    <button onclick="KVSr3()">KVSr3</button>

    <h2> SPLICE </h2>
    <p id="PIET5"></p>
```

```
<button onclick="KVSR4()">KVSR4</button>

<h2> SLICE </h2>
<p id="PIET6"></p>
<button onclick="KVSR5()">KVSR5</button>

<h2> get hours </h2>
<p id="PIET7"></p>
<button onclick="KVSR6()">KVSR6</button>

<h2> get day </h2>
<p id="PIET8"></p>
<button onclick="KVSR7()">KVSR7</button>

<h2> get full year </h2>
<p id="PIET9"></p>
<button onclick="KVSR8()">KVSR8</button>

<script>
    function KVSR()
    {
        var students = ["venkata" , "avinash" , "vrushodhar" , "harsha vardhan", "sridhar"];
        students.push("sai kumar");
        document.getElementById("PIET1").innerHTML = students;
    }

    function KVSR1()
    {
        var students1 = ["venkata" , "avinash" , "harsha vardhan" , "bharagav", "sridhar" , "vrushodhar"];
        students1.pop();
        document.getElementById("PIET2").innerHTML = students1;
    }

    function KVSR2()
    {
        var students2 = ["tarun" ,"venkata" , "avinash" , "harsha vardhan" , "bharagav", "sridhar" , "vrushodhar"];
        students2.shift();
        document.getElementById("PIET3").innerHTML = students2;
    }

    function KVSR3()
    {
```



```
        var students3 = ["tarun" ,"venkata" , "avinash" , "harsha  
vardhan" , "bharagav", "sridhar" , "vrushodhar"];  
        students3.unshift("sai kumar");  
        document.getElementById("PIET4").innerHTML = students3;  
    }  
  
    function KVS4()  
    {  
        var students4 = ["tarun" ,"venkata" , "avinash" , "harsha  
vardhan" , "bharagav", "sridhar" , "vrushodhar"];  
        students4.splice(2,1,"sai");  
        document.getElementById("PIET5").innerHTML = students4;  
    }  
  
    function KVS5()  
    {  
        var students5 = ["tarun" ,"venkata" , "avinash" , "harsha  
vardhan" , "bharagav", "sridhar" , "vrushodhar"];  
        students5.slice(2,4);  
        document.getElementById("PIET6").innerHTML =  
students5.slice(2,4);  
    }  
</script>  
  
<script>  
  
    function KVS6()  
    {  
        const d = new Date();  
        document.getElementById("PIET7").innerHTML = d.getHours();  
    }  
</script>  
  
<script>  
  
    function KVS7()  
    {  
        const d = new Date();  
        if (d.getDay() == 0)  
        {  
            document.getElementById("PIET8").innerHTML = "Sunday";  
        }  
        else if (d.getDay() == 1)  
        {  
            document.getElementById("PIET8").innerHTML = "Monday";  
        }  
    }  
</script>
```

```
    }  
    else if (d.getDay() == 2)  
    {  
        document.getElementById("PIET8").innerHTML = "Tuesday";  
    }  
    else if (d.getDay() == 3)  
    {  
        document.getElementById("PIET8").innerHTML = "Wednesday";  
    }  
    else if (d.getDay() == 4)  
    {  
        document.getElementById("PIET8").innerHTML = "Thursday";  
    }  
    else if (d.getDay() == 5)  
    {  
        document.getElementById("PIET8").innerHTML = "Friday";  
    }  
    else if (d.getDay() == 6)  
    {  
        document.getElementById("PIET8").innerHTML = "Saturday";  
    }  
    }  
</script>  
  
<script>  
    function KVSr8()  
    {  
        const d = new Date();  
        document.getElementById("PIET9").innerHTML = d.getFullYear();  
    }  
</script>  
  
</body>  
</html>
```

Output:

ARRAY METHODS :

PUSH

venkata,avinash,vrushodhar,harsha vardhan,sridhar,sai kumar

KVBR1

POP

venkata,avinash,harsha vardhan,bharagav,sridhar

KVBR1

SHIFT

venkata,avinash,harsha vardhan,bharagav,sridhar,vrushodhar

KVBR2

UNSHIFT

sai kumar,tarun,venkata,avinash,harsha vardhan,bharagav,sridhar,vrushodhar

KVBR3

SPLICE

tarun,venkata,sai,harsha vardhan,bharagav,sridhar,vrushodhar

KVBR4

SLICE

avinash,harsha vardhan

KVBR5

get hours

22

KVBR6

get day

Monday

KVBR7

get full year

2022

KVBR8

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) & Heigth(Meters). Formula:- $BMI = m/h^2$.

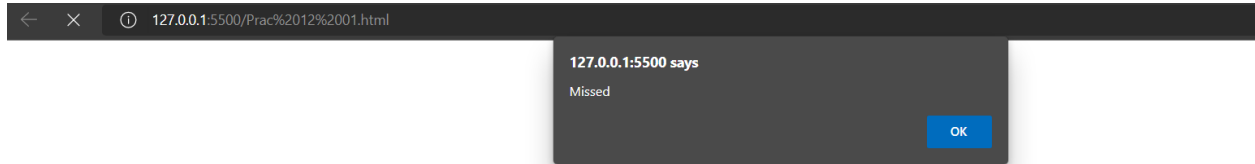
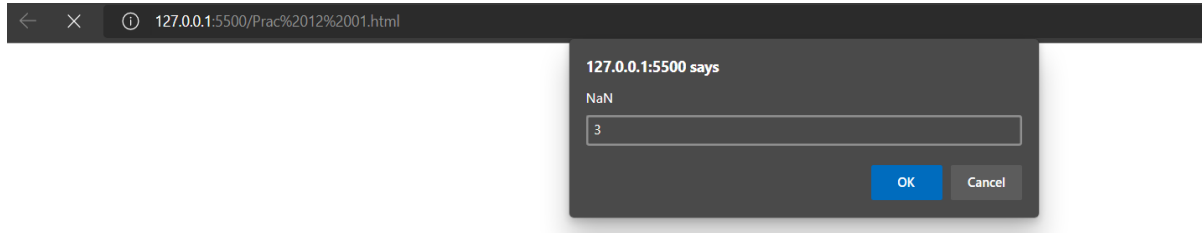
Code:

```
(i) <html>
  <head>
    <title>
      Prac 12 01
    </title>
    <script src="12_01.js"></script>
    <style>
      body {
        text-align: center;
        font-family: sans-serif;
      }
    </style>
  </head>
  <body onload="trigger()">
    <h1>Prac 12 01</h1>
  </body>
</html>
```

```
function trigger() {
  // get week day
  var d = new Date();
  var day = d.getDay();

  var inp = prompt(parseInt("Enter Day Number"))
  if (inp == day) {
    alert("Hit");
  }
  else {
    alert("Missed")
  }
}
```

Output:



(ii) BMI:

```
<html>
  <head>
    <title>
      BMI
    </title>
    <script src="12_02.js"></script>
    <link rel="stylesheet" href="12_02.css">
  </head>
  <body>
    <h1>BMI CALCULATOR</h1>
    <p>
      <input type="text" id="mass" placeholder="Weight in Kg's">
    </p>
    <p>
      <input type="text" id="height" placeholder="height in meters">
    </p>
    <p>
      <button onclick="calculate()">Calculate</button>
    </p>
    <p id="Disp">NULL</p>
  </body>
</html>
```

Css:

```
#Disp {
  width: -webkit-max-content;
  height: -webkit-max-content;
```

```
border: 1px solid #ccc;
border-radius: 4px;
display: inline-block;
padding: 5px;
text-align: center;
text-decoration: underline red;
}
#Disp:hover {
border: 2px solid red;
}
input[type="text"] {
border: 1px solid #ccc;
border-radius: 4px;
height: 40px;
width: 15rem;
}

input[type="text"]:focus {
border-color: #4CAF50;
box-shadow: 0 1px 1px rgba(0, 0, 0, 0.075), 0 0 8px rgba(76, 175, 80, 0.6);
}
button {
background-color: #4CAF50;
border-radius: 3px;
color: white;
padding: 14px 20px;
margin: 8px 0;
border: none;
cursor: pointer;
width: -webkit-max-content;
}

button:hover {
opacity: 0.8;
}
```

JavaScript:

```
function calculate() {
var num1 = parseInt(document.getElementById("mass").value)
var num2 = parseInt(document.getElementById("height").value)
var result = ("BMI="+ (num1 / (num2 * num2)))
document.getElementById("Disp").innerHTML = result
}
```

OUTPUT:

BMI CALCULATOR

Calculate

BMI=0.0016620498614958448

Practical 13

Aim:

Write JavaScript to perform the following operations:

1. to find highest from given three values
2. to calculate factorial of n

Code: (1)

```
<html>
<head>
<title>Highest numbers </title>
</head>
<body>
  <h1>The highest numbers</h1>
  <button onclick="kvsr()">Enter</button>

  <script>
    var n1 = prompt("Enter number 1");
    var n2 = prompt("Enter number 2");
    var n3 = prompt("Enter number 3");

    var a = parseInt(n1);
    var b = parseInt(n2);
    var c = parseInt(n3);

    if (a !=null && b !=null && c !=null)
    {
      if (a > b && a > c)
      {
        document.write(a);
      }
      else if (b > a && b > c)
      {
        document.write(b);
      }
      else
      {
        document.write(c);
      }
    }
  </script>
</body>
```


OUTPUT:

The highest numbers

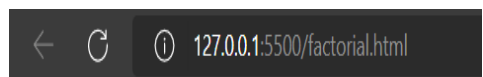
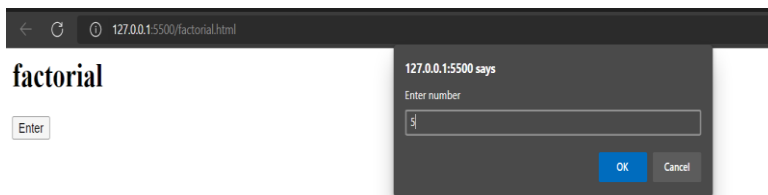
Enter 10

CODE: (2)

```
<html>
<head>
<title> factorial </title>

<body>
<h1> factorial </h1>
<button onclick="kvsr()">Enter</button>
<script>
    function kvsr()
    {
        var n1 = prompt("Enter number");
        var a = parseInt(n1);
        var b = 1;
        if (a !=null)
        {
            for (var i = 1; i <= a; i++)
            {
                b = b * i;
            }
            document.write(b);
        }
    }
</script>
</head>
</html>
```

Output:



120

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

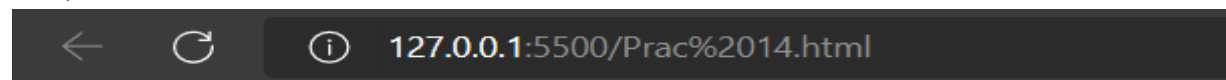
Code (a):

```
<html>
  <head>
    <title>
      Prac 14
    </title>
    <script src="14_01.js"></script>
  </head>
  <body onload="sum_1_to_n()" >
    <p>KVSR</p>
  </body>
</html>
```

JS

```
function sum_1_to_n() {
  var n = Number.parseInt(prompt("Enter a number(value of n): "));
  var sum = 0;
  for (var i = 1; i <= n; i++) {
    sum = sum + i;
  }
  document.write("Sum of 1 to " + n + " is " + sum);
}
```

Output:



Sum of 1 to 5 is 15

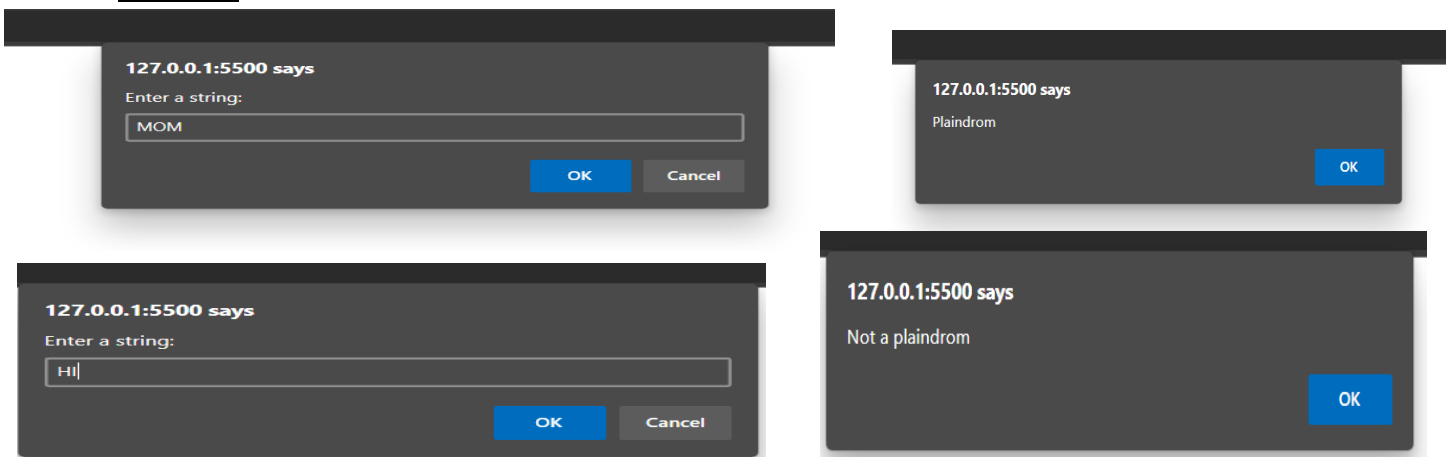
CODE (2):

```
<html>
  <head>
    <title>
      Prac 14
    </title>
    <script src="14_02.js"></script>
  </head>
  <body onload="plaiNdrom_check()" >
    <p>KVSr</p>
  </body>
</html>
```

JS

```
function plaiNdrom_check() {
  var str = prompt("Enter a string: ");
  var str_rev = str.split("").reverse().join("");
  if (str == str_rev) {
    console.log("PlaiNdrom");
    alert("PlaiNdrom");
  }
  else {
    console.log("Not a plaiNdrom");
    alert("Not a plaiNdrom");
  }
}
```

OUTPUT



Practical 15

Aim:

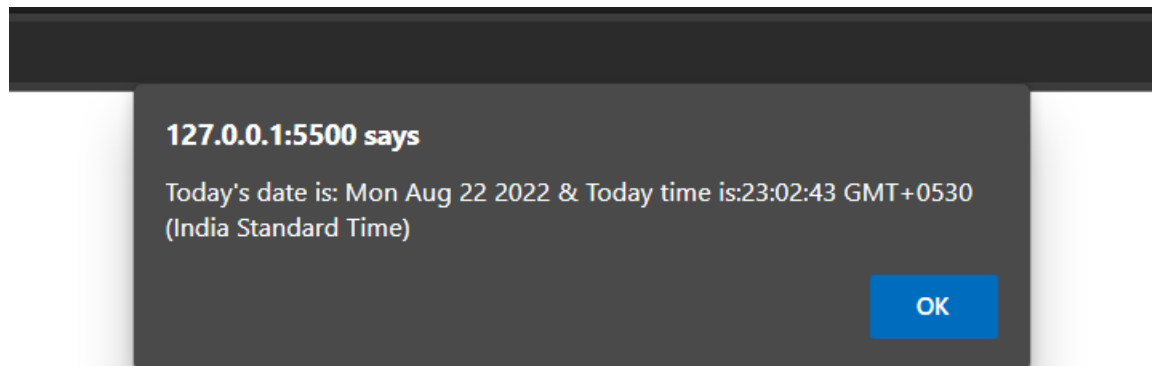
Write a Java Script program to print current date & time

Code:

```
<html>
  <head>
    <title>
      Prac 15
    </title>
    <script src="15_01.js"></script>
  </head>
  <body onload="date_a_time()" >
    <p>KVSR</p>
  </body>
</html>

#JS
function date_a_time() {
  var dob = new Date(); // date object
  // using alert to show values
  alert("Today's date is: " + dob.toString() + " & Today time is:" +
  dob.toTimeString());
}
```

OUTPUT:



Practical 16

Aim:

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

```
Code: <?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>
        <style>
          * {
            font-family: Arial;
          }
          table {
            border-collapse: collapse;
            width: 100%;
          }
          th, td {
            text-align: left;
            padding: 8px;
          }
          tr:nth-child(even){background-color: #f2f2f2}
          th {
            background-color: #4CAF50;
            color: white;
          }
          table {
            border-collapse: collapse;
            width: 80%;
            border-radius: 5px solid #ccc;
          }
        </style>
      </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>
```

Xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="01.xsl" type="text/xsl"?>
<CD_CATALOGUE>
    <CD>
        <title>Kalavathi</title>
        <singer>Sid Sriram</singer>
        <genre>Melody</genre>
        <year>2022</year>
    </CD>
    <CD>
        <title>Bullet song</title>
        <singer>Silambarasan TR, Haripriya</singer>
        <genre>Mass</genre>
        <year>2022</year>
    </CD>
    <CD>
        <title>Comedy</title>
        <singer>Gen Hoshimo</singer>
        <genre>j-pop</genre>
        <year>2022</year>
    </CD>
```

```
<CD>
  <title>Maradona</title>
  <singer>The ChainSmokers</singer>
  <genre>Dance/Electronic, pop</genre>
  <year>2022</year>
</CD>
<CD>
  <title>Beast Mode</title>
  <singer>Anirudh</singer>
  <genre>Mass</genre>
  <year>2021</year>
</CD>
<CD>
  <title>Teeth</title>
  <singer>5 seconds of summer</singer>
  <genre>Dance/Electronic, pop</genre>
  <year>2022</year>
</CD>
<CD>
  <title>Ra Ra Rakamma</title>
  <singer>Magalli</singer>
  <genre>Item song</genre>
  <year>2022</year>
</CD>
<CD>
  <title>Penny</title>
  <singer> Nakash Aziz</singer>
  <genre>Mass</genre>
  <year>2022</year>
</CD>
<CD>
  <title>Steay</title>
  <singer>Bebe Rexha</singer>
  <genre>pop</genre>
  <year>2021</year>
</CD>
<CD>
  <title> Thaaai Kelavi</title>
  <singer>Anirudh</singer>
  <genre>Classic</genre>
  <year>2022</year>
</CD>
</CD_CATALOGUE>
```

OUTPUT:

My CD Collection

Title	Artist	genre	Year
Kalavathi	Sid Sriram	Melody	2022
Bullet song	Silambarasan TR, Haripriya	Mass	2022
Comedy	Gen Hoshimo	j-pop	2022
Maradona	The ChainSmokers	Dance/Electronic, pop	2022
Beast Mode	Anirudh	Mass	2021
Teeth	5 seconds of summer	Dance/Electronic, pop	2022
Ra Ra Rakamma	Magalli	Item song	2022
Penny	Nakash Aziz	Mass	2022
Steay	Bebe Rexha	pop	2021
Thaai Kelavi	Anirudh	Classic	2022

Practical 17

Aim:

Creating the JavaScript file to handle our json

Code:

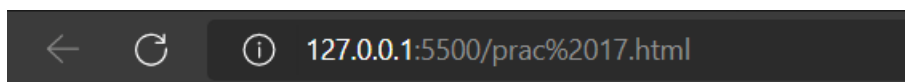
```
<html>
  <head>
    <script src="17.js"></script>
  </head>
  <p id="json">NULL</p>
<button onclick="parseJson()">Try it</button>
</html>
```

JS:

```
function parseJson() {
  var content = '{ "students": [ { "name": "VARISU", "age": "20", "marks": [4, 5, 5] }, { "name": "AVINASH", "age": "21", "marks": [5, 5, 5] }, { "name": "VENKATA", "age": "22", "marks": [5, 5, 5] } ]}';
  var json = JSON.parse(content);

  document.getElementById('json').innerHTML = json.students[0].name;
}
```

OUTPUT:



VARISU

Try it

Practical 18

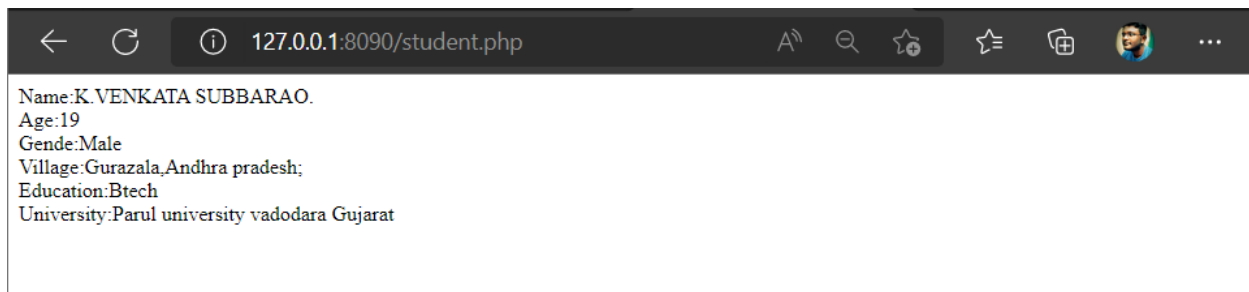
Aim:

Write a PHP code to print your personal details.

Code:

```
<?php
echo "Name:K.VENKATA SUBBARAO.<br>";
echo "Age:19 <br>";
echo "Gende:Male <br>";
echo "Village:Gurazala,Andhra pradesh; <br>"
echo "Education:Btech <br>";
echo "University:Parul university vadodara Gujarat <br>";
?>
```

Output:



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:

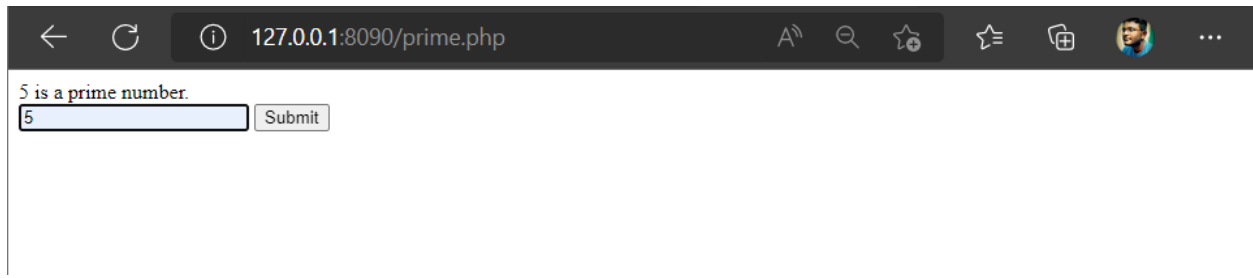
```
<?php
    $number = $_POST['t1'];

    $flag = 0;
    for($i = 2; $i <= $number/2; ++$i) {

        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="prime.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 19

Aim:

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

Code:

```
<?php
// connect to database
$db = mysqli_connect("localhost", "root", "", "database");
if (!$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 `students`(`ERP`, `Name`, `Class`) VALUES
(003,'Sai','5sem');");

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

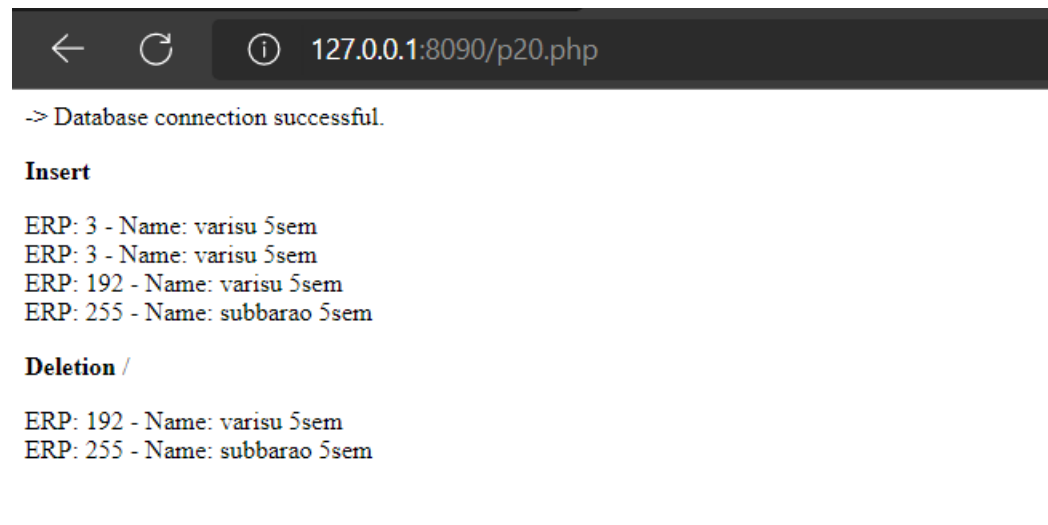
while($row = $result->fetch_assoc()) {
    echo "ERP: " . $row["ERP"] . " - Name: " . $row["Name"] . " " . $row["Class"] .
    "<br>";
}

// add more values
mysqli_query($db,
    "INSERT INTO `students`(`ERP`, `Name`, `Class`) VALUES (192,'varisu
venkata','5sem');");
mysqli_query($db,
    "INSERT INTO `students`(`ERP`, `Name`, `Class`) VALUES
(255,'subbarao','5sem');");

$select = "SELECT * FROM `students`";
```

```
$result = mysqli_query($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 `students` WHERE `ERP`=003;");  
  
$result = mysqli_query($db, "SELECT * FROM `students`;");  
while($row2 = $result->fetch_assoc()) {  
    echo "ERP: " . $row2["ERP"]. " - Name: " . $row2["Name"]. " " .  
    $row2["Class"]. "<br>";  
}  
  
?>
```

Output:



← ↻ ⓘ 127.0.0.1:8090/p20.php

-> Database connection successful.

Insert

ERP: 3 - Name: varisu 5sem
ERP: 3 - Name: varisu 5sem
ERP: 192 - Name: varisu 5sem
ERP: 255 - Name: subbarao 5sem

Deletion /

ERP: 192 - Name: varisu 5sem
ERP: 255 - Name: subbarao 5sem
