

Name	AMRITANSHU KESHARI	Year	2019 - 22
Subject	WEB TECHNOLOGY LAB	Class	
Semester	3rd	Roll No.	19402060006

INDEX

Sr. No.	Experiment Description	Experiment Date	Submission Date	Remarks / Signature
1.	<p>Design web pages for your college containing a description of the courses, departments, faculties, library and etc, use href, list tag.</p>			
2.	<p>Write html code to develop a webpage having two frames that divide the webpage into two equal rows and then divide the row into equal columns fill each frame with a different background color.</p>			

I N D E X

NAME : AMRITANSHU KESHARI STD. : SEC. : ROLL NO. : 19402060006

EXPERIMENT No. 1

Aim : Design web pages for your college containing a description of the courses, departments, faculties, library etc, use href, list tag.

Theory : The href attribute specifies the URL of the page the link goes to. The href is an attribute of the anchor tag which is used in linking.

HTML lists are used to present list of information in well formed and semantic way.

There are three different types of list in HTML and each one has a specific purpose are as follows as:

- (i) Unordered list
- (ii) Ordered list
- (iii) Description list <dl>

Code :

```
<!DOCTYPE html>
<html>
<head>
<title> college website </title>
<meta charset = "UTF - 8">
```

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

```
<style>
```

```
    .site-header {  
        width : 100% ;  
        height : 86vh ;  
        background-color : #002 ;  
    }
```

```
nav {
```

```
    width : 100% ;  
    height : 100px ;  
    background-color : green ;  
}
```

```
.menu ul {
```

```
    margin-left : 38px ;  
    width : 100% ;  
    height : 100px ;  
    display : flex ;  
    justify-content : space-around ;  
    padding : 35px 30px ;  
}
```

```
.menu {
```

```
    width : 50% ;  
    height : 100px ;  
}
```

```
.menu ul li {  
    list-style-type: none;  
    font-size: 19px;  
    font-weight: bold;  
    text-transform: uppercase;  
    color: #fff;  
}
```

```
section {  
    display: flex;  
}
```

```
.left {  
    width: 45%;  
    height: auto;  
    overflow: hidden;  
    margin-top: 20px;  
}
```

```
.right {  
    width: 45%;  
    height: 300px;  
    color: #f00;  
    text-align: center;  
    margin-top: 80px;  
}
```

```
footer {  
    background-color: #0f0;  
}
```

```
.right h1 {  
    font-size: 30px;  
    font-weight: 900;  
    text-transform: uppercase;  
}
```

```
a {  
    text-decoration: none;  
    color: #fff;  
}
```

```
button {  
    background-color: #301;  
    color: #fff;  
    border: 2px solid yellow;  
}
```

```
button:hover {  
    background-color: #501;  
    color: #f0f;  
    border: 2px solid red;  
}
```

```
</style>  
</head>
```

```
<body>  
<header class = "site-header">  
<nav>
```

```
<div class = "menu">
<ul>
    <li><a href = "about.html"> <button>
        About </button> </a> </li>
    <li><a href = "faculty.html"> <button>
        Faculties </button> </a> </li>
    <li><a href = "course.html"> <button>
        Courses </button> </a> </li>
    <li><a href = "gallery.html"> <button>
        Gallery </button> </a> </li>
    <li><a href = "contact.html"> <button>
        Contact </button> </a> </li>
    </ul>
</div>
</nav>
```

```
<section>
<div class = "left">
    <img src = "img1.png" title = "Government Polytechnic Adityapur" />
</div>
<div class = "right">
    <h1> Government Polytechnic College </h1>
    <h1> Adityapur </h1>
    <br/>
    <br/>
    <br/>
    <br/>
    </div>
</section>
```

```
</header>
<footer>
<br/>
<br/>
<p align = "center"> Developed by Amrita-
nshu Keshari </p>
<br/>
<br/>
</footer>
</body>
</html>
```

about.html

```
<!DOCTYPE html>
<html>
<head>
<title> About Us </title>
<style>
body {
    background-color: #000;
}
i {
    color: red;
}
h1 {
    background-color: #0f0;
    color: yellow;
}
p {
    color: #fff;
}
```

```

</style>
</head>
<body>
<section>
<article>
<h1>
<p align = "left "> About Us </p>
</h1>
<br/>
<img src = "img1.png" title = "Government
Polytechnic College, Adityapur" />
<br/>
<p> ... ----- </p>
</div>
</article>
</section>
<br/>
<br/>
<br/>
<br/>
</body>
</html>

```

course.html

```

<!DOCTYPE html>
<html>
<head>
<title> Courses </title>
<style>

```

0px"

0px"

3>

```
body {  
    background-color: #251;  
}  
p {  
    color: red;  
}  
h1 {  
    background-color: green;  
    color: yellow;  
}  
h3 {  
    color: blue;  
}  
</style>  
</head>
```

```
<body>  
<h1>  
COURSES  
<hr/>  
</h1>  
<img src = "moni1.png" width = "300px"  
height = "200px"/>  
<h3> MECHANICAL ENGINEERING </h3>  
<p> _____ </p>  
<br/>  
<br/>  
<img src = "moni2.png" width = "300px"  
height = "200px"/>  
<h3> ELECTRICAL ENGINEERING </h3>  
<br/>
```

```

</p>
<img src = "moni3.png" width = "300px"
      height = "200px"/>
<h3> METALLURGICAL ENGINEERING </h3>
<br/>
</p>
<img src = "moni4.png" width = "300px"
      height = "200px"/>
<h3> COMPUTER SCIENCE ENGINEERING </h3>
<br/>
<p>
<br/>
<br/>
</body>
</html>

```

faculty.html

```

<!DOCTYPE html>
<html>
<head>
<title> </title>
<style>
body {
    background-color: hotpink;
}

```

```

h1 {
    color: blue;
}
h2 {
    background-color: green;
    color: #fff;
}
</style>
</head>

```

```

<body>
<div>
    <h2><center> FACILITIES LIST </center>
    </h2>
    <hr/>
    <br/>
    <center> <img src = "Bttsa1.jpg" height = "30%" width = "40%">
    </center> </h6>
    <br/>
    <br/>
    <h1><center> <u> MR. REWATI RAMAN UPADHYAY </u> </center> </h1>
    <h6><center> <br> LECTURER (SG) - CUM-PRINCIPAL <br/> (Metallurgical Engg.)
    </center> </h6>
    <br/>
    <br/>
    <center> <img src = "abc.jpg" height = "30%" width = "40%"> </center> </h6>

```

<hr>

<center> <img src = "a1.jpg" height =
"30%" width = "40%"> </center>

<h1> <center> <u> MR. MULAHIDUL
ISLAM </u> </center> </h1>
<h6> <center> LECTURER
 (Mechani-
cal Engg.) </center> </h6>
<hr>

<center> <img src = "hal.jpg" height
= "30%" width = "40%"> </center>

<h1> <center> <u> MR. R.K. MINZ </u>
</center> </h1>
<hr>

<center> <img src = "avtar.jpg"
height = "30%" width = "40%">
</center>

<h1> <center> <u> MR. KUMAR MANOJ
</u> </center> </h1>
<h6> <center> LECTURER,

(Mechanical Engg.) </center>
</h6>

<center> </center>

<h1> <center> <u> MR. SUMANT KR.
HEMANT </u> </center> </h1>

<h6> <center> PART TIME LECTURER

 (Electrical Engg.) </center>
</h6>

<center> <img src = "ger.png"
width = "40%" height = "30%">
</center>

<h1> <center> <u> MR. KUNAL MAHTA
</u> </center> </h1>

<h6> <center> PART TIME LECTURER

 (CSE) </center> </h6>

<center>
</center>

<h1> <center> <u> MR. A.K. SINHA
</u> </center> </h1>

<h6> <center> PART TIME LECTURER

 (Metallurgical Engg.) </center>

</h6>


```
<br>
</div>
</body>
</html>
```

contact.html

```
<!DOCTYPE html>
<html>
  <head>
    <title> Contact Us </title>
    </head>
    <style>
      body {
        background-color: #000;
      }
      i {
        color: red;
      }
      h1 {
        background-color: green;
        color: yellow;
      }
    </style>
  </head>
  <body>
    <h1>
      <h1 align = "left"> CONTACT US
    </h1>
    <hr/>
```

```
<iframe src = "https://www.google.com  
/maps/embed?pb=z11m2.3.4.5%1sen!  
2sin" width = "600" height = "450"  
style = "border: 0; allowfullscreen;"  
loading = "lazy"> </iframe>  
<p>  
<b>  
<i> Phone : </i>  
<a href = "tel: +916572383303"> +91  
6572383303 </a> </b>  
</p>  
<p>  
<b>  
<i> Email ID : </i>  
<a href = "mailto: gpa2010@rediff  
mail.com"> gpa2010@rediffmail.com  
</a>  
</b>  
</p>  
</body>  
</html>
```

gallery.html

```
<!DOCTYPE html>  
<html>  
<head>  
<title> Gallery </title>  
<style>
```

```
.abc {
    background: linear-gradient(pink, gold, skyblue) no-repeat;
    border: 2px solid black;
    text-shadow: 1px 0px black;
}
```

```
img {
    border: 5px solid black;
    background: url(img/sin.png)
        no-repeat;
    box-shadow: 15px 15px 5px black;
    text-shadow: 1px 0px black;
}
```

```
.text {
    background-color: yellow;
    font-size: 45px;
    color: red;
}
```

</style>
</head>

<body>

<div class = "abc">

<center><h4 class = "text"> <u>

GALLERY </u> </h4>

<img src = "im.png" alt = "" width
= "90%">


```
<br/>
<br/>
<br/>
<img src = "a.png" width = "90%"/>
<br/>
<br/>
<br/>
<img src = "b.png" width = "90%"/>
<br/>
<br/>
<br/>
<img src = "c.png" width = "90%"/>
<br/>
<br/>
<br/>
</div>
</body>
</html>
```

Link of the Website :

<https://gpadityapur.netlify.app>

EXPERIMENT No. 2

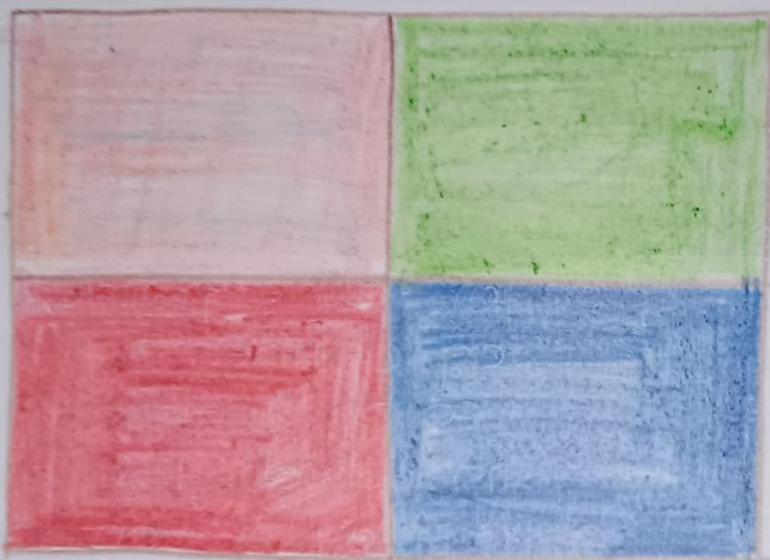
Aim: I write html code to develop a webpage having two frames that divide the web page into two equal rows and then divide the row into equal columns fill each frame with a different background color.

Theory: The iframe in HTML stands for inline frame. The "iframe" tag defines a rectangular region within the document in which the browser can display a separate document, including scrollbars and browsers. An inline frame is used to embed another document within the current HTML document.

Code:

```
<!DOCTYPE html>
<html>
<head>
<title> frame </title>
</head>
```

OUTPUT



```
<frameset cols = "50%, * " rows = "50%,
* ">
<frame src = "pink.html">
<frame src = "green.html">
<frame src = "red.html">
<frame src = "blue.html">
</frameset>
<noframes>
    If not supported in your browser.
</noframes>
</html>
```

pink.html

```
<html>
<head>
<title> pink </title>
</head>
<body bgcolor = "pink" >
</body>
</html>
```

green.html

```
<html>
<head>
<title> green </title>
</head>
<body bgcolor = "green" >
</body>
</html>
```

red.html

```
<html>
<head>
<title> red </title>
</head>
<body bgcolor = "red">
</body>
</html>
```

blue.html

```
<html>
<head>
<title> blue </title>
</head>
<body bgcolor = "blue">
</body>
</html>
```

EXPERIMENT. No. 3

Ques: Create your resume using HTML tags also experiment with colors, text, link, size and also other tags you studied.

- Theory:
- (i) We are using colors in HTML through style attribute. HTML colors are specified with predefined color names, or with RGB, HEX, HSL, RGBA or HSLA.
 - (ii) Formatting tags are used to display different different type of font text in our web browser.
 - (iii) HTML links are hyperlinks. You can click on a link and jump to another webpage.
 - (iv) HTML tags tells our web browsers like google chrome opera mini, microsoft edge and Internet explorer how to display the image content and other files in the form of audio, video, graphics in a html document. Using HTML tags we create blue print of html document.

Code :

```

<!DOCTYPE html>
<html lang = "en">
<head>
<title> Me </title>
<meta charset = "utf-8">
<meta name = "viewport" content =
"width = device-width, initial-scale = 1">
</head>

<body>
<header>
<em><strong> <h1> <pre> My Resume
Website </pre> </h1> </strong> </em>
<hr/>
<br/>
</header>

<section>
<article>
<h1>
<p> ABOUT ME </p>
</h1>
<hr width = "110px" align = "left"/>
<br>
<img src = "a.jpeg" title = " Amritan-
shu Keshri" />
<br>
```

</>

```
<i>  
<br/>  
<br/>  
<br/>  
<h1>  
<p> MY SKILLS </p>  
</h1>  
<hr/>
```

<i> I have some skills related to
web development are as follows
as : </i>

```
<ul>  
<p><pre><strong> HTML </strong></pre></p><progress value = "83"  
min = "0" max = "100"></progress>  
<p><pre><strong> CSS </strong></pre></p><progress value = "40"  
min = "0" max = "100"></progress>  
<p><pre><strong> JavaScript </strong></pre></p><progress value = "25"  
min = "0" max = "100"></progress>  
<p><pre><strong> C / C++ </strong></pre></p><progress value = "40"  
min = "0" max = "100"></progress>
```

```
</ul>  
<br/>  
<br/>  
<br/>  
<h1>
```

<p> MY PROJECTS </p>

</h1>

<hr>

I have created two projects are
as follows as :

 Simple Calculator Website

<iframe src = " https://practical-villani-
-c00603.netlify.app" width = "70%"
height = "30%"> </iframe>

<iframe src = "https://happybirthday-
bhaiya.netlify.app" width = "70%"
height = "30%"> </iframe>

<h1>

<p> MY CONTACTS </p>

</h1>

<hr>

Phone : +91 6205921144

Email ID : cseamritanshu.keshari@
gmail.com


```
<br/>
<br/>
<a href = "mailto:cseamritanshuke-
shari@gmail.com">
<button class = "a"> Send Feedback
</button>
</a>
</article>
</section>
<footer>
    <p> - By Amritanshu Keshari </p>
</footer>
</body>
</html>
```

Link of Website :

<https://htmlresumeofme.netlify.app>

EXPERIMENT No. 4

Aim: Design a web page of your home town with an attractive background color, text color, an image, font etc. (use internal css)

Theory: The internal css, we style tag between `<head>` and `</head>` tag. And we write all the css code in the between `<style>` and `</style>` tags.

Code:

```
<html>
<head>
<style>
* { margin: 0;
    padding: 0;
    box-sizing: border-box;
}
header {
    background-color: #003;
    padding: 30px;
    text-align: center;
    border: 5px dashed green;
}
nav { flex: 1;
    padding: 20px;
    color: #fff;
}
```

```
article { color: #fff;
    flex: 3;
    background-color: #300;
    padding: 50px;
}
```

```
</style> </head> <body> <header>
    <h1><pre> My Hometown </pre> </h1>
</header> <section> <nav>
    <h1> <u> Gallery </u> </h1>
    <img src = "a.png"/> <br/>
    Waterfall of Lalpania <br/> </nav>
<article> <h1>
    <p align = "left"> ABOUT US </p> </h1>
    <br/>
    <i> _____ </i>
    <br/> <br/> <br/> <h1>
    <p align = "left"> MAP of Lalpania </p>
    </h1> <br/>
    <iframe src = "_____"/> <br/>
    <br/> <br/>
</article> </section> <footer>
    <p> - By Amritanshu </p>
</footer>
<br/> </body> </html>
```

Link of the Website:

<https://hometownofme.netlify.app>

EXPERIMENT No. 5

Aim: Use inline CSS to format your resume that you created.

Theory: In inline CSS, we use HTML stylesheet rule in where we write CSS code in HTML tag.

In inline CSS, we use style attribute and in this attribute we write CSS property and its value.

Code:

```
<!DOCTYPE html>
<html lang = "en">
<head>
<title> Me </title>
<meta charset = "utf-8">
<meta name = "viewport" content =
"width = device-width ; initial-scale
= 1 ">
</head>
<body style = "font-size: "" ; font-
family : Arial, Helvetica, sans-serif ;
box-sizing: border-box ; background-
color : pink ; ">
<header style = "background-color : #00
text-transform : capitalize ; text-al
ign : center ; color : #250 ;>
```

border : 5px dashed green;
 outline : 2px solid red; " >

```

< header style = " background-color:
# 003; text-transform: capitalize;
text-align: center; " >
< em> < strong> < h1> < pre> My Resume
Website </ pre> </ h1> < / strong> < / em>
< / header>
< section>
< article>
< h1>
< p style = " color: red;" > ABOUT ME
< / p>
< / h1>
< hr width = " 110px" align = " left" />
< br/>
< img src = " http://pal.jpg" title = " A.
Keshari " style = " width: 100% ";
height: 300px; border: 2px solid
yellow; " />
< br/>
< i> _____ < / i>
< br/>
< br/>
< br/>
< h1>
< p style = " color: red;" > MY SKILLS < / p>
< / h1>
  
```

<hr>

<i> I have some skills related to web development are as follows as : </i>

<p> <pre> HTML </pre>
</p> <progress value = "83" min = "0" max = "100" > </progress>

<p> <pre> CSS </pre>
</p> <progress value = "40" min = "0" max = "100" > </progress>

<p> <pre> JavaScript </pre>
</p> <progress value = "25" min = "0" max = "100" > </progress>

<p> <pre> C/C++ </pre>
</p> <progress value = "40" min = "0" max = "100" > </progress>

<h1>

<p style = "color: red;"> MY PROJECTS

</p>

</h1>

<hr width = "150px" align = "left" />

I have created two projects in two months are as follows as :

 Simple Calculator Website


```
<br/>
<iframe src = "https://practical-villani-
c00603.netlify.app" width = "70%">
    height = "30%"/> </iframe>
<br/>
<br/>
<br/>
<h1>
    <p><p style = "color: red;"> MY CONTACT
        S </p>
    </h1>
    <hr width = "150px" align = "left" />
    Phone : +91 6205921144
    <br/>
    Email ID : cseamritanshukeshari@gmail.com
    <br/>
    <br/>
    <br/>
    <br/>
    <a href = "mailto:cseamritanshukeshar-
        @gmail.com">
        <button class = "a" style = "backgr-
            ound-color: red; outline: 4px solid
            white; color: white; display: block;
            border: 6px solid black;">
            Send Feedback
        </button>
        <br/>
        <br/>
```

```
</a>
</article>
<section>
<footer style = "background-color: #345;
padding: 10px; text-align: center;
color: white; border: 5px solid green; border-radius: 10px;
outline: 2px solid red;">
<p>- By Amritanshu Keshari </p>
</footer>
</body>
</html>
```

Link of the website:

<https://inlinecssresume.netlify.app>

EXPERIMENT No. 6

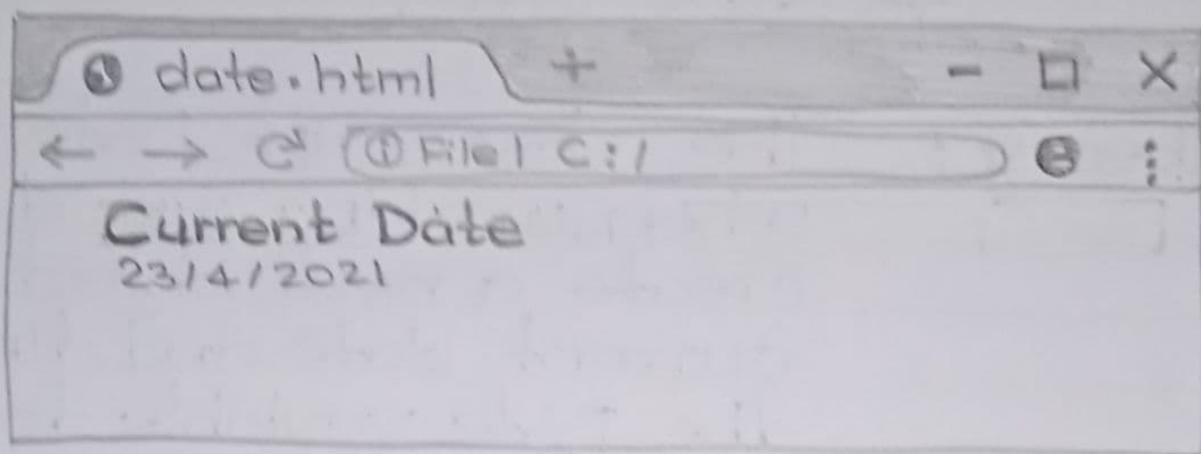
Aim: Develop a Javascript to display today's date.

Theory: The Javascript Date object helps when working with dates. To create a new object the with current date and time, add the Date variable to your script.

Code:

```
<!DOCTYPE html>
<html>
<head>
<title> Date </title>
<meta charset = "utf - 8" />
<script>
var today = new.Date();
var date = today.getFullYear() + '-' +
+ (today.getMonth() + 1) + '-' +
today.getDate();
document.getElementById("p1").innerHTML = date;
</script>
</head>
```

OUTPUT



```
<body>
  <h1> Current Date </h1>
  <p id = "p1">
    </p>
  </body>
</html>
```

EXPERIMENT No. 7

Ques: Create HTML page with Javascript which takes Integer number as input and tells whether the number is ODD or EVEN.

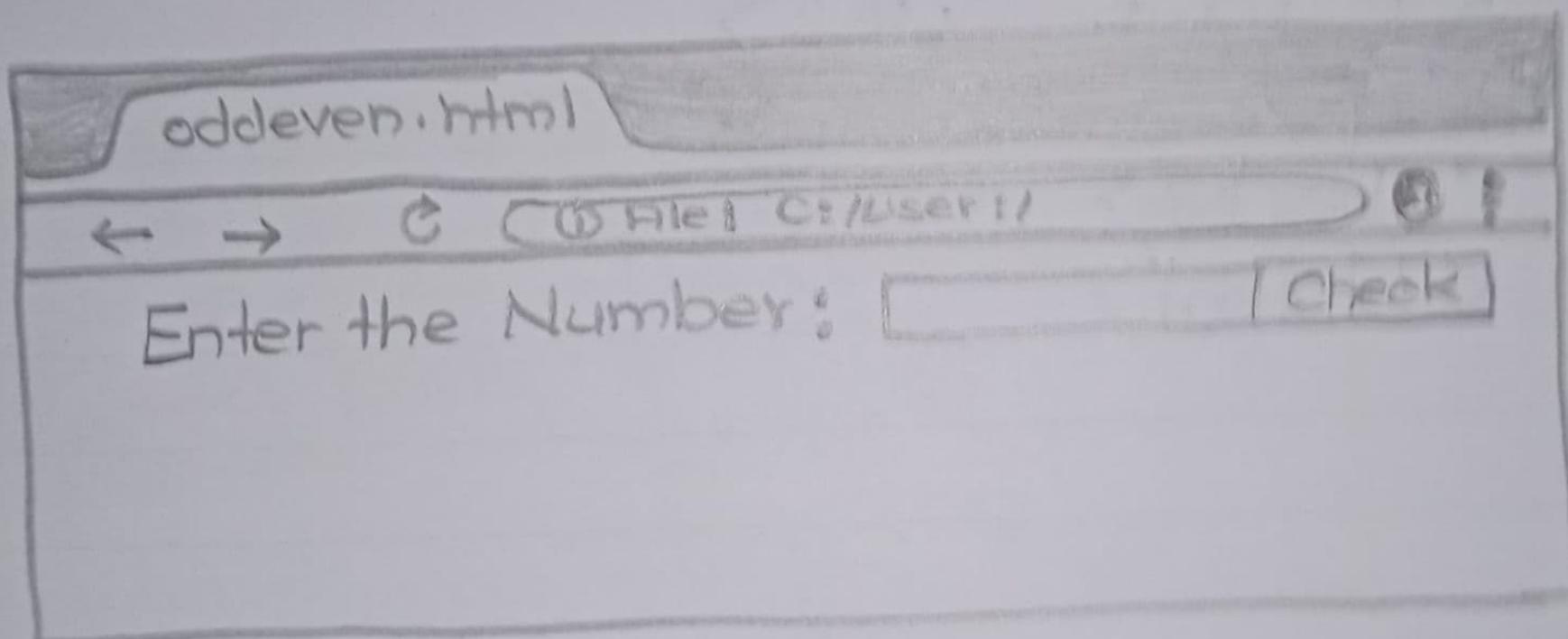
Theory: The document method getElementById() returns an Element object representing the element whose id property matches the specified string.

By using modulo operator, we check the number is odd or even. As we know that modulo operator gives us remainder. Here, by using modulo operator we divisibility of a number.

Code:

```
<!DOCTYPE html>
<html>
<head>
<script>
var num, temp;
function fun()
{
    num = parseInt (document.getElementById ("num").value);
```

OUTPUT



```

if (num)
{
    temp = document.getElementById
        ("resPara");
    temp.style.display = "block";
    if (num%2 == 0)
        document.getElementById ("res")
            .innerHTML = "Even";
    else
        document.getElementById ("res")
            .innerHTML = "Odd";
}
</script>
</head>
<body>

```

<p> Enter the Number: <input type = "number" id = "num" > <button onclick = "fun()" > check </button> </p>

<p id = "resPara" style = "display: none;">
 It is an
 Number </p>

</body>
</html>

EXPERIMENT No. 8

Aim: Create HTML Page that contains form with fields Name, Email, Mobile No, Gender, Favorite color and a button now write a Java Script code to combine and display the information in textbox when the button is clicked.

Theory: The document method get ElementById() returns an element object representing the element whose id property matches the specified string.

Code:

```
<!DOCTYPE html>
<html>
<head>
<script>
function pr() {
    document.getElementById("result")
        .innerHTML = document.getElementById('name').value;
    document.getElementById("result1")
        .innerHTML = document.getElementById('email').value;
```

OUTPUT

8.14 FORMS AND INPUT

form.html

Name :	Amrit	Email ID :	a@gmail.com	Mobile No.	6205921144
Color :	Red	Gender :	Male		
<input type="button" value="Submit"/>					

My name is Amrit . My Email ID is a@gmail.com . My phone number is 6205921144. My favorite color is Red . My gender is Male .

```

document.getElementById ("result2").
innerHTML = document.getElementById
Id ('phone').value ;
document . getElementBy Id ("result3").
innerHTML = document . getElementBy Id
('color') . value ;
document . getElementBy Id ("result4").
innerHTML = document . getElementBy Id
('gender') . value ;
}

```

```

</script>
</head>
<body>
<form method = "get">
Name: <input type = "text" id = "name">
Email ID: <input type = "email" id = "email">
Mobile No.: <input type = "number" id = "phone">
Color: <input type = "color" input type =
"text" id = "color">
Gender: <input type = "text" id = "gender">
<br/>
<br/>
<input type = "button" value = "submit"
onclick = "pr()">
<p> My name is <span id = "result">
</span>. My Email ID is <span id =

```

"result1">. My phone number is
. My favorite
color is
My gender is
 </p>

</form>
</body>
</html>

EXPERIMENT No. 9

Aim: Create XML file to store student information like Enrollment Number, Name, Mobile Number, Email ID.

Theory: A xml document is used to store data and information. In xml, there are user defined tags. XML stands for Extensible Markup Language. The first line of XML code is called XML Prolog. XML Prolog defines the XML version and the encoding used in the XML document.

Code:

```
<?xml version = "1.0" encoding = "UTF-8"?>
<students>
    <student1>
        <enroll> 19402060001 </enroll>
        <name> Raj Kaushal </name>
        <mobile> +91 6205921141 </mobile>
        <email> raj@gmail.com </email>
    </student1>
    <student1>
        <enroll> 19402060002 </enroll>
        <name> Raj Mishra </name>
        <mobile> +91 6205921142 </mobile>
        <email> mishraji@gmail.com </email>
```

</student1>

<student1>

<enroll> 19402060003 </enroll>

<name> Raman Kisan </name>

<mobile> +91 6204921144 </mobile>

<email> raman@gmail.com </email>

</student1>

<student1>

<enroll> 19402060006

<name> Radhe Shyam </name>

<mobile> +91 5512511011 </mobile>

<email> a@sebaalg@gmail.com </email>

</student1>

</students>