Index

No.	Title	Page No.	Date	Staff Member's Signature
1.	Design a web page a. Use of document structure tag b. Various Text formatting Tags c. List Tags d. Image and Image Maps	1		
2.	Design a web page use of a. Table Tags b. Form Tags (form with various form element) c. Navigation of multiple web pages d. Embeded Multimedia elements	4		
3.	Design a webpage that make use of CSS with a. CSS properties to change the background of a page b. CSS properties to change fonts and text styles c. CSS properties for positioning an element.	[7]		
4.	Write JavaScript Code for a. Performing various mathematical operations such as calculating factorial / finding fibonacci series / Displaying Prime Numbers in a given range / Evaluating Expressions / Calculating reverse of a number b. Validating the various Form Elements	[10]		

Index

Index

➤ Program-1: Design a web page

A. Use of document structure tag

```
<html>
    <head>
        <title> Home Page </title>
    </head>
    <body>
        <h1> Company Name </h1>
        <p> This is my first page in html </p>
        <p> This is an example of a paragraph </p>
    </body>
</html>
```

B. Various Text Formatting tags

```
<html>
    <title> Text Formatting Tags </title>
    <h1> Formatting </h1>
<body>
    <p> This is a new paragraph </p>
    <p><B> This is a new paragraph </B>
    <br><B><I> This is a new sentence without a paragraph
                break </I></B> <HR>
    <p><U> My First Page </U></p>
</body>
</html>
```

OUTPUT - A

Company Name

This is my first page in html

This is an exmanple of a paragraph

OUTPUT - B

Formatting

This is a new paragraph

This is a new paragraph

This is a new sentence without a paragraph break

My_First_Page

C. List tags

```
<!DOCTYPE html>
<html>
<head>
    <title> List Item </title>
</head>
<body>
    <p> An ordered list: </p>
    <ol type="a">
        <li> HTML </li>
        <li> CSS </li>
        <li> PHP </li>
    </ol>
    <p> An unordered list: </p>
    <ul>
        <li> HTML </li>
        <li> CSS </li>
        <li> PHP </li>
    </ul>
</body>
</html>
```

OUTPUT - C

An orderedd list:

1. HTML
2. CSS
3. PHP

An unordered list:

- HTML
- CSS
- PHP

D.i) Image and Image Maps

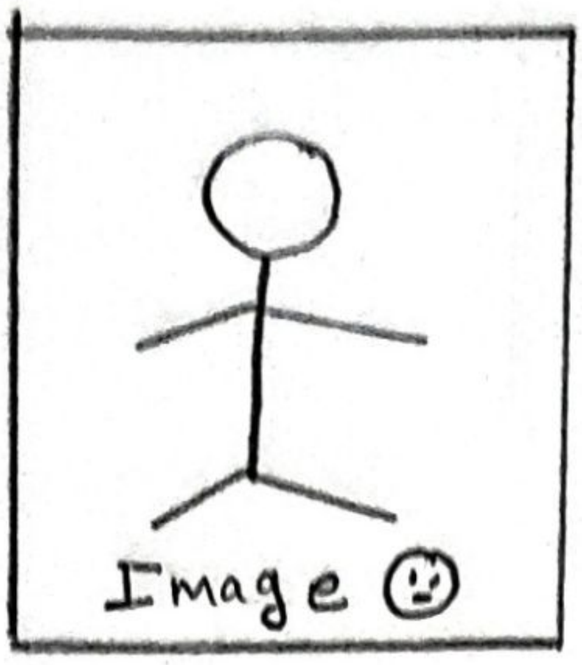
```
<!DOCTYPE html>
<html>
    <head>
        <title> Images </title>
    <head>
    <body>
        <img src="img1.jpeg" alt="image not fount" width ="100"
                                                    height ="100">

    </body>
<Html>
```

ii) Image Map

```
<!. DOCTYPE html>
<html>
    <body>
      <p> Click on the Image</p>
      <map<img src="img1.jpeg" alt="planets" usemap="#planmap"
              style="width: 145px; height: 126px;">
      <map name="planmap">
          <area shape="rect" coords=" 0,0,82,126" href="rect.html">
          <area shape="circle" Coords="90,58,3" href="circle.html">
          <area shape="circle" Coards="124,58,8" href="square.html">
    </map>
  </body>
</html>
```

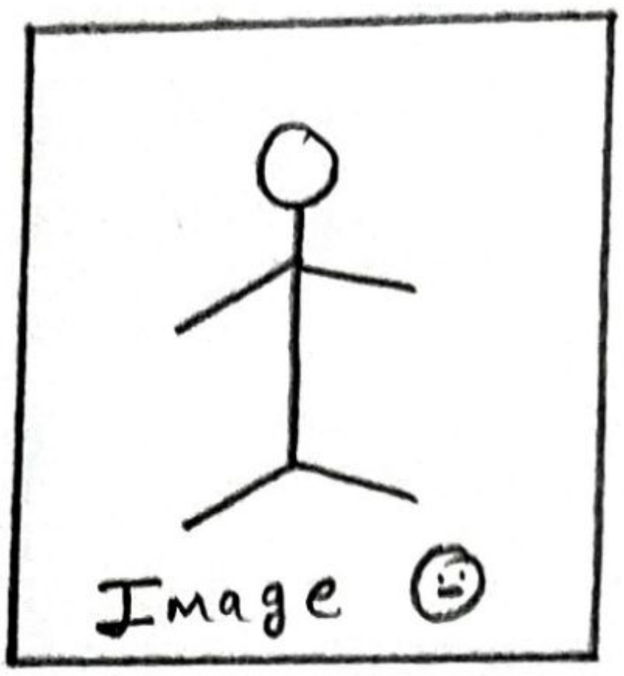
P=1

OUTPUT - D.i



OUTPU - D.ii

Click on the image



➤ Program 2: Design a web page use of

A. Table Tags

```
<!DOCTYPE html>
<html>
<head>
<title> HTML Table Header </title>
</head>
<body>
<table border = "1">
<tr>
   <th> Student </th>
   <th> Total </th>
</tr>
<tr>
   <td> Boys </td>
   <td> 50 </td>
</tr>
<tr>
   <td> Girls </td>
   <td> 700 </td>
</tr>
</table>
</body>
</html>
```

P-2

OUTPUT - A

Student	Total
Boys	50
Girls	700

B. Foom tags (foom with vacious foom Elements)

```
<html>
<head>
<title> Foom Page : samplefoom </title>
</head>
<body>
<h1> Sample Foom Page </h1>
<foom id="sampleform" method = "post" action = " ">
<p> Name : <input type = "text" name = "Name" /> </p>
<p>
    Email : <input type = "text" name = "Email" />
</p>
<p>
    Gender : <input type = "radio" name = "g1" /> Male
             <input type = "radio" name = "g1" /> Female
</p>
<p>
    Hobbies : <input type = "checkbox" name = "Hobbies1" value = "on" />
                Dancing
              <input type = "checkbox" name = "Hobbies1" value = "on" />
                Singing
</p>
<p> <input type = "submit" name = "Submit" value = "Submit" />
</p>
</body>
</html>
```

OUTPUT - B

Sample form Page

Name : [ ]

Email : [ ]

Gender: o Male o Female

Hobbies: ☐ Dancing ☐ Singing

Submit

C. Navigation of multiple web pages

```
<html>
<head>
<title> Navigation </title>
</head>
<body>
  <div align = "center">
    <a href = " Table.html" > A.Table.Html </a><br>
    <a href = " www.google.com"> Google </a><br>
    <a href = " www.youtube.com"> YouTube </a><br>
  </div>
</body>
</html>
```

D. Embeded multimedia elements

```
<html>
<body>
<ht><video width = "320" height = "240" autoplay >
<source src = "movie.mp4" type = "video/mp4 ">
<source src = " movie.mp4" type = "video / ogg ">
</video>
</body>
</html>
```

OUTPUT- C

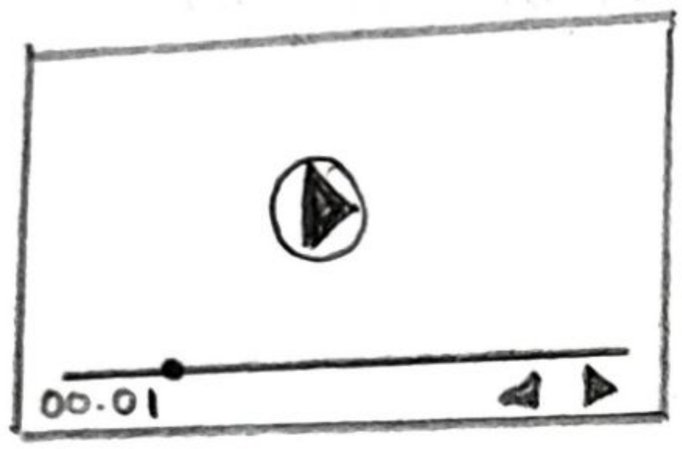
A. Table Tag

Google

Sanjay Chaurasiya

OUTPUT- D

Video



➤ Program 3: Design a webpage that make use of Casecading Style Sheets with

A. CSS properties to change the background of a Page

```
<!DOCTYPE html>
<html>
<head>
<style>
    h1 { background-color : greenh ; }
     p { background - color : yellow; }
</style>
</head>
<body>
<h1> CSS Background - color Example </h1>
<div>
we are in the div tag
<p> This paragraph will have a different background color </p>
we are still in the div element
</div>
</body>
</html>
```

B. CSS properties to change fonts and Text Styles

```
<!DOCTYPE html>
<html>
<head>
<style>
```

OUTPUT - A

CSS Background-color Example green

We are in the div tag

This Paragraph will have a different background color Yellow

We are still in the div element

OUTPUT- B

Paragraph is normal ~~form~~

Italic style

Oblique style

```
p.normal {
    font-family : "Times New Roman", Times, serif;
    font- style : normal;
}

p. italic {
    font -family : "Arial, Helvetica", sans- serif;
    font - style : italic;
}

p.oblique {
    font - style : oblique:
}

</style>
</head>
<body>
<p class = "normal"> Paragraph is normal form </p>
<p class = " italic "> Italic style </p>
<p class = "oblique"> Oblique style </p>
</body>
</html>
```

C. CSS properties for positioning an element

```
<!DOCTYPE html>
<html>
<head>
<style>
```

```
div.static {
    position : static;
    border : 3px solid #73AD21;
}
p.relative {
    position : relative;
    left: 30px;
    border : 3px solid #73AD21
}
</style>
</head>
<body>
<h2> Position : Static; </h2>
<p class = "relative"> This paragraph will be positioned
                        relatively </p>
<div class = "static">
This div element has position : static; </div>
</body>
</html>
```

P-3

OUTPUT - C

Position : Static;

This paragraph will be positioned relatively

This div element has position : static;

➤ Program 4: Write JavaScript code for

A. Performing various mathematical operations such as calculating factorial / finding Fibonacci Series / Displaying Prime Numbers in a given range / Evaluating Expressions / Calculating reverse of a number

A.i] Calculating factorial

```
<html>
<head>
<script>
function show(){
        var i, no, fact;
        fact=1;
    no=Number(document.getElementById("num").value);
    for(i=1; i<=no; i++){
            fact = fact*i;
    }
    document.getElementById("answer").value=fact;
    }
</script>
</head>
<body>
Enter Num: <input id="num">
<button onclick="show()"> Factorial </button>
<input id="answer">
</body>
</html>
```

P-4

OUTPUT - A.i

Enter Num [5] (factorial) [120]

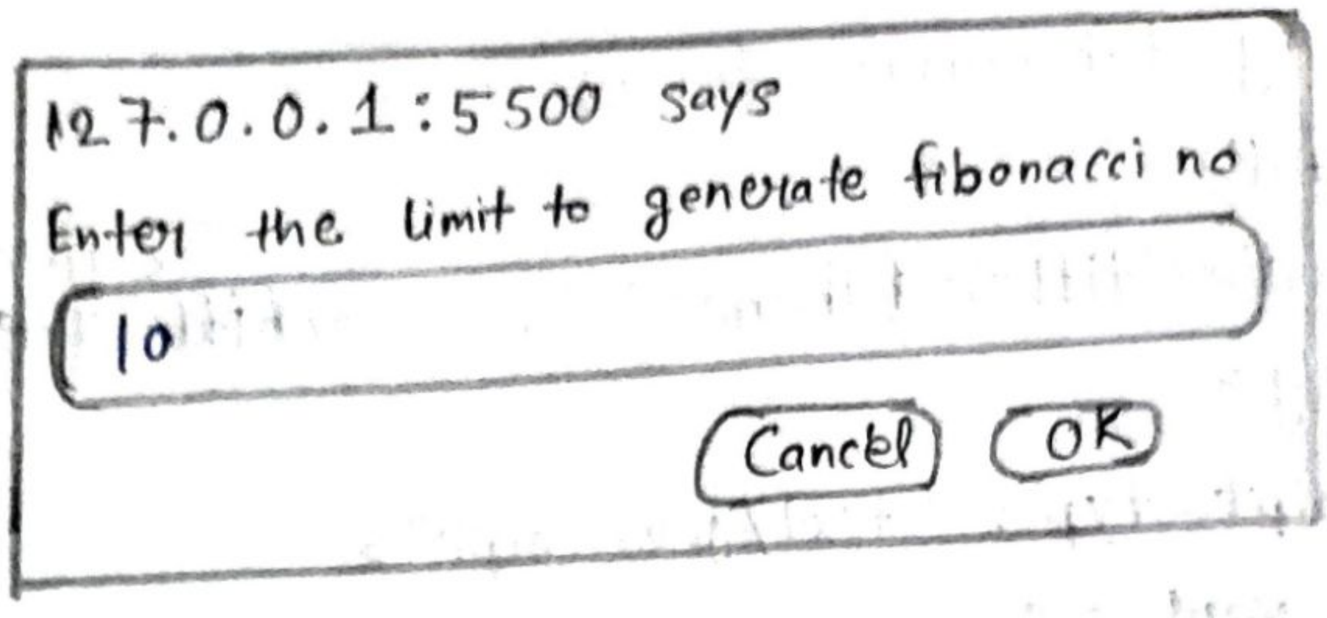
A.

A.ii] Finding Fibonacci Series

```
<html>
<head><title> Fibonarci Series </title> </head>
<body>
<script type="text/javascript">
var var1 =0;
var var2=1;
var var3;

var num = prompt("Enter the limit to generate fibonacci no", 0);

document.write(var1+"<br/>");
document.write(var2+"<br/>");

for(var i=3; i<=num; i++){
    var3 = var1+var2;
    var1 = var2;
    var2 = var3;

document.write(var3+"<br/>");
}
</script>
</body>
</html>
```

P-4

OUTPUT - A.ii



0
1
1
2
3
5
8
13
21
34

A.iii] Displaying Prime Numbers in a given range.

```
<html>
<head>
<script type = "text/javascript">
function calcPrimeNumber () {
    var beginNum = parseInt (document.numbers.firstNum.value);
    var endNum = parseInt (document.numbers.secondNum.value);
    var primeNumbs = [];
    var ctr = beginNum;
    while (ctr <= endNum) {
        if (isPrime (ctr) == true) {
            primeNumbs [primeNumbs.length] = ctr;
        }
        ctr = ctr + 1;
    }
    if (primeNumbs.length == 0) {
        document.getElementById ('output_content').innerHTML =
            "There are no prime numbers within the page.";
    } else {
        outputPrimeNums (primeNumbs);
    }
}
function isPrime (num) {
    if (num < 2) return false;
    for (var i = 2; i <= Math.floor (num / 2); i++) {
        if (num % i) == 0) {
```

OUTPUT - A.iii

Beginning Number : 10

End Number : 30

find Prime Numbers

Prime Numbers

11
13
17
19
23
29

```
            return false;
        }
    }
    return true;
}
function outputPrimeNums(primes) {
    var html = "<h2> Prime Numbers </h2>";
    for (var i = 0; i < primes.length; i++) {
        html += primes[i] + "<br/>";
    }
    document.getElementById('output_content').innerHTML = html;
}
</script></head>
<body>
<div>
<form name = "numbers">
    Beginning Numbers: <input type = "text" name = "firstNum"/><br><br>
    End Number: <input type = "text" name = "secondNum"/><br><br>
    <input type = "button" value = "Find Prime Numbers" onclick =
                                        "CalcPrimeNumber()"/>
</form></div><br>
<div id = "output_content" Style = "font-size: 20px;
                                    Color: blue;"></div>
</body>
</html>
```

A.iv] Evaluating Expressions

```
<html>
<body>
<p> Click the button to evaluate / execute JavaScript Code /
    expressions </p>
<button onclick = "myFunction()"> Try it </button>
<p id = "demo"></p>
<script>
function myfunction () {
    var x = 10;
    var y = 20;
    var a = eval ("x * y") + "<br>";
    var b = eval ("2 + 2") + "<br>";
    var c = eval ("x + 17") + "<br>";

var res = a+b+c;
document. getElementById ("demo"). innerHTML = res;
}
</ script>
</ body>
</ html>
```

OUTPUT- 4.iv

Click the button to evaluate / execute JavaScript code / expressions

Try it

200
4
27

A.v] Calculating reverse of a number

```
<html>
<head>
<script>
function palin(){
    var a, no, b, temp=0;
    no = Number(document.getElementById("no_input").value);
    b =no;
    while(no>0){
        a = no%10;
        no = parseInt(no/10);
        temp = temp *10+a;
    }
    alert("Reverse is : " + temp);
}
</script>
</head>
<body>
    Enter any Number: <input id = "no_ input">
    <button onclick = "palin()"> Check </button><br></br>
</body>
</html>
```

P-4

OUTPUT- 4.v

Enter any Number: 54237 Check

127.0.0.1:5500 says

Reverse is: 73245

OK

B. Validating the various Form Elements

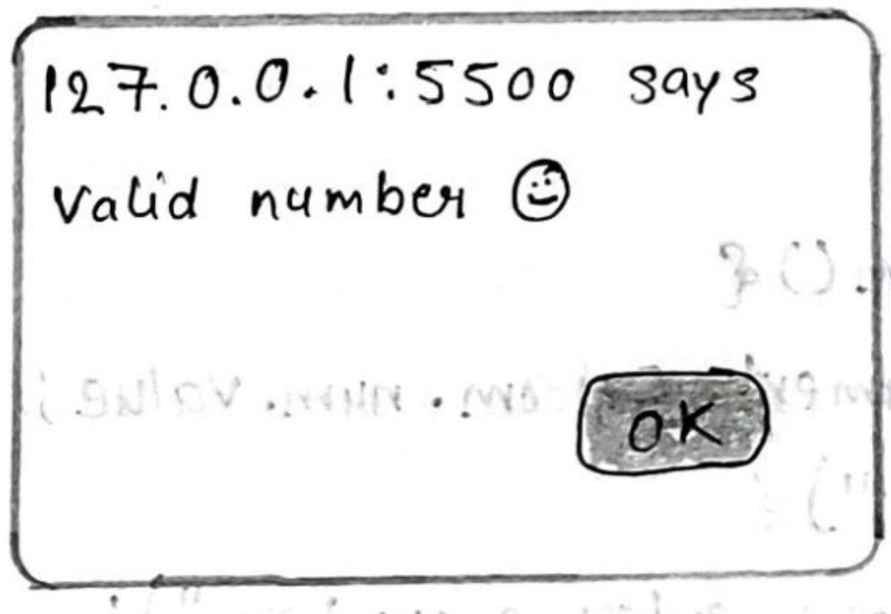
B.i] Number validation function

```
<html>
<head>
<script>
function validateNum(){
    var num = document.myform.num.value;
    if (num === "") {
        alert("Please enter a number");
        return false;
    }
    if (isNaN(num)) {
        alert("Enter numeric values only");
        return false;
    }
    alert("Valid number");
    return true;
}
</script>
</head>
<body>
<form name="myform" onsubmit="return validateNum()">
Enter Number: <input type="text" name="num"> <br> <br>
            <input type="submit" value="Submit">
</form> </body>
</html>
```

OUTPUT-4.B.i

Enter Number: 5

Submit



B. ii] Name password validation function

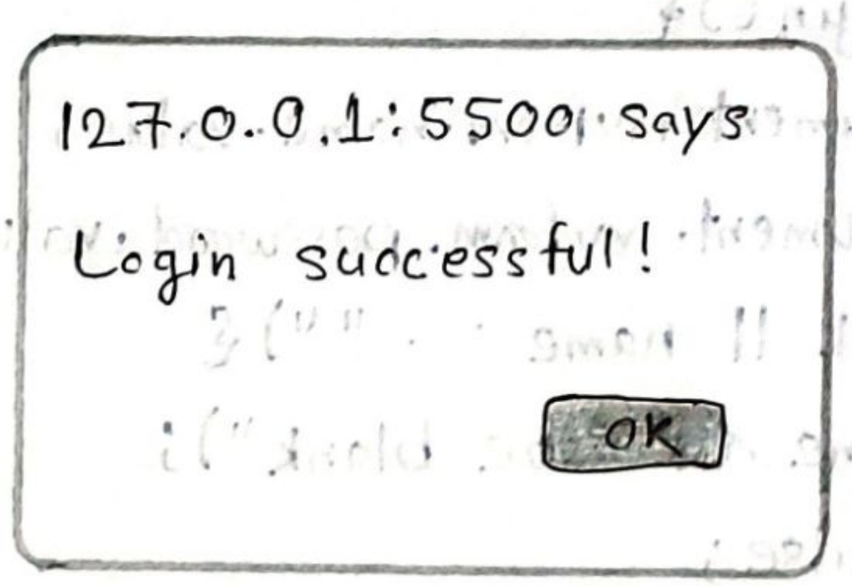
```
<html>
<head>
<script>
function ValidateLogin(){
    var name = document.myfoom.name.value;
    var pwd = document.myfoom.password.value;
    if(name == null || name == ""){
        alert("Name can't be blank");
        return false;
    } else if(pwd.length < 6){
        alert("Password must be at least 6 characters long.");
        return false;
    }
    else{
        alert("Login successful!");
        return true;
    }
}
</script>
<body>
<foom name="myfoom" onsubmit="return validate login()">
    <label> Name : </label>
    <input type="text" name="name"><br><br>
    <label> Password: </label>
```

OUTPUT- 4.B.ii

Name : Veldez

Password : ••••••••

Login



```
    <input type = " password " name = " password "> <br> <br>
    <input type = " submit " value = " Login ">
</form>
</body>
</html>
```

B.iii] Retype password validation function

```
<html>
<head>
<script>
function retype_pass() {
var firstpwd = document. f1. password. value;
var secondpwd = document. f1. password2. value;
if (firstpwd == secondpwd) {
    return true;
} else {
    alert ("Password must be Same!");
    return false;
}
}
</script>
</head>
<form name = "f1" onsubmit = "return retype_pass()">
    <label> Password : </label>
    <input type = " password" name = " password"> <br> <br>
```

OUTPUT- 4. B. iii

Password: •••

Retype Password: ••

Register

127.0.0.1:5500 says

Password must be Same!

OK

```
    <label> Retype Password : </label>
    <input type = "password" name = "password2"> <br> <br>
    <input type = "submit" value = "Register">
</form>
</body>
</html>
```

B.IV] Email validation function

```
<html>
<head>
<script>
function validateemail(){
    var x = document.myform.email.value;
    var atposition = x.indexOf("@");
    var dotposition = x.lastIndexOf(".");
    if(atposition < 1 || dotposition < atposition +2 || dotposition
        +2 >= x.length){
        alert("Please enter a valid e-mail address\n"+
              "atposition : "+atposition + "\n" +
              "dotposition : "+dotposition);
        return false;
    }
    return true;
}
</script>
<body>
```

```
<foom name = "myfoom" onsubmit = "return validateemail()">
    <label> Email : </label>
    <input type = "text" name = "email "> <br> <br>
    <input type = "submit" value = "Submit">
</foom>
</body>
</html>
```

OUTPUT- 4.5.iv

Email : Binod@gmail.com

Submit

➤ Program 5 : Write Javascript code for

A. Demonstrating different Javascript objects such as String, RegExp, Math, Date.

A.i] Regular expression Demonstraction :

```
<html>
<body>
 <p> REGULAR EXPRESSION </p>
 <button onclick = "myFunction ()"> Try it </button>
 <script>
    function myFunction () {
       var str = "All these are not possible using HTML!";
       var n = str.search (/possible/i);
       document.write ("<br>"+n+ "<br>");

       var res = str.replace (/possible/i, "POSSIBLE");
       document.write ("<br>"+res+"<br>");

       var patt = /e/;
       document.write ("<br>"+patt.test (str)+"<br>");
    }
 </script>
</body>
</html>
```

OUTPUT- 5.A.ii

Regular Expression

Try it

18

All these are not POSSIBLE using HTML!

true

A.ii] String Demonstration

```
<html>
<body>
<script>
var str1 = "Hey diddle diddle, the cat and the fiddle, The caw
            jumped over the moon.";
var str2 = "The little dog laughed to see such fun, And the
            dish ran away the spon!";
document.write(str1 + "<br>" + str2 + "<br>");
var sln = str1.length;
document.write("<br>"+"Length of string is: "+sln+"<br>");
var x = 'It\s` abright";
var y = "we are the so-called \"Viking \"from the north."
document.write("<br>"+x+"<br>");
document.write("<br>" +y+"<br>");
</script>
</body>
</html>
```

A.iii] Math Demonstration

```
<html>
<body>
<h2> JavaScript Math Demo </h2>
<script type = "text/javascript">
    document.write("PI = " + Math.PI + "<br>");
    document.write("random number = " + Math.round(49.657) + "<br>");
    document.write("rounding = " + Math.round(6.433) + "<br>");
```

OUTPUT- 5.A.ii

Hey diddle diddle, the cat and the fiddle, The caw jumped over the moon.
The little dog laughed to see such fun, And the dish ran away the spon!

Length of string is : 72
It's alright
We are the so-called "Viking" from north.

```
document.write("pow = " + Math.pow(10,3) + "<br>");
document.write("square root = " + Math.sqrt(64) + "<br>");
document.write("absolute = " + Math.abs(-67.7) + "<br>");
document.write("ceil = " + Math.ceil(6.4) + "<br>");
document.write("floor = " + Math.floor(4.7) + "<br>");
document.write("sin = " + Math.sin(90 * Math.PI/180) + "<br>");
document.write("cos = " + Math.cos(0 * Math.PI/180) + "<br>");
document.write("finding max = " + Math.max(0,150,30,20,-8,-200) +
                                  "<br>");

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

A.iv] Date Demonstration

```
<html>
<body>
<h2> Date demonstration </h2>
<script>
    document.write(Date());
    var d = new Date();
    document.write("<br>" + d + "<br>");
    var d1 = new Date("August 30, 2004 17:11:00");
    document.write("<br>" + d1 + "<br>");
    var d2 = new Date(454000000);
    document.write("<br>" + d2 + "<br>");
```

OUTPUT - 5. A. iii

JavaScript Math Demo

PI = 3.141592653589793

Random number = 50

Rounding = 6

pow = 1000

Square root = 8

absolute = 67.7

ceil = 7

floor = 4

sin = 1

cos = 1

finding max = 150

OUTPUT - 5. A. iv

Date demonstration

Tue Feb 17 2026 15:42:41 GMT +0530 (India Standard Time)

Tue Feb 17 2026 15:42:41 GMT +0530 (India Standard Time)

Mon Aug 30 2004 17:11:00 GMT +0530 (India Standard Time)

Thu Jan 01 1970 18:06:40 GMT +0530 (India Standard Time)

Thu Jan 24 1999 11:33:30 GMT +0530 (India Standard Time)

Thu Jan 24 1999 00:00:00 GMT +0530 (India Standard time)

d.toUTCString() Tue, 17 Feb 2026 10:34:15 GMT

```
var d3 = new Date (99, 5, 24, 11, 33, 30, 0);
document. write ("<br>" +d3+ "<br>");
var d4 = new Date (99,5,24);
document. write ("<br>" + d4 +"<br>");
document. write ("<br>" + "d. to UTCString ()" +d. to UTCString());
</script>
</body>
</html>
```

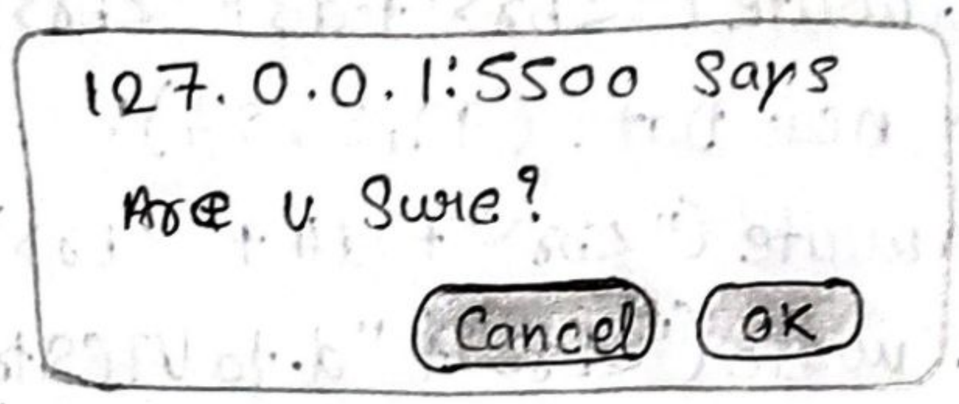
B. Demonstrating different JavaScript Objects such as Window, Navigator, History, Location, Document

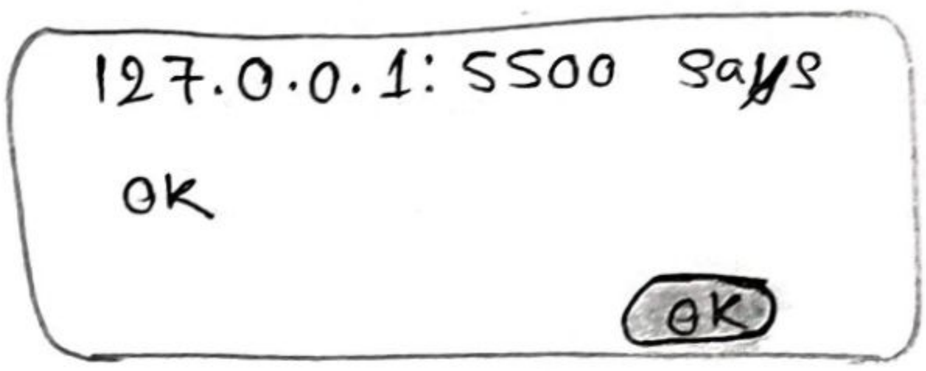
B.i] WINDOW object Demonstration

```
<html>
<body>
  <input type = "button" value = " Delete Record " onclick = "del()" />
  <script type = "text/javascript">
     function del() {
        var ans = confirm (" Are u sure? ");
        if (ans == true) {
           alert ("ok");
        }
        else {
           alert (" cancle ");
        }
     }
</script> </body> </html>
```

OUTPUT - 5.B.i

Delete Record





B.ii] Navigator object Demonstration

```
<html>
<body>
<h2> JavaScript Navigator Object </h2>
<script>
  document.write ("<br> navigator.appCodeName :" + navigator.
                                                appCodeName);
  document.write ("<br/> navigator.cookieEnabled :" + navigator.
                                                cookieEnabled);
  document.write ("<br/> navigator.userAgent :" + navigator.
                                                userAgent);
  document.write ("<br/> navigator.appName : " + navigator.
                                                appName);
  document.write ("<br/> navigator.appVersion : " + navigator.
                                                appVersion);
  document.write ("<br/> navigator.platfoom : " + navigator.
                                                platfoom);
  document.write ("<br/> navigator.language : " + navigator.
                                                language);
  document.write ("<br/> navigator.onLine : " + navigator.
                                                onLine);

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

OUTPUT - 5.B.ii

JavaScript Navigator Object

navigator.appCodeName : Mozilla

navigator.cookieEnabled : true

navigator.userAgent : Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/145.0.0 Safari/537.36

navigator.appName : Netscape

navigator.appVersion : 5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/145.0.0 Safari/537.36

navigator.platform : Linux x86_64

navigator.language : en-US

navigator.onLine : true

B.iii] History Object Demonstration

```
<html>
<head>
<script>
  function goBack(){
      window.history.back()
  }
</script>
<body>
  <input type="button" value="Back" onclick="goBack()">
</body>
</html>
```

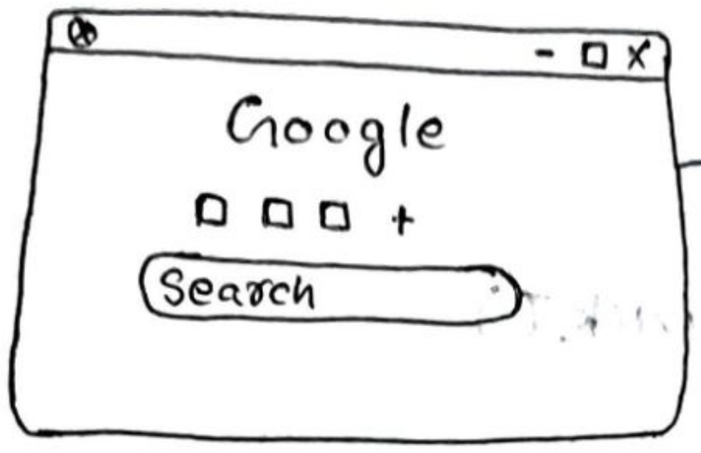
B.iv] Location Object Demonstration

```
<html>
<body>
<input type="button" value="replace URL" onclick="myFun()" />
<script type="text/javascript">
    function myFun(){
        location.replace("http://www.google.com");
    }
</script>
</body>
</html>
```

P-5

OUTPUT - 5- B.iii

Back



Comp back Home Page

OUTPUT - 5. B. iv

Replace URL

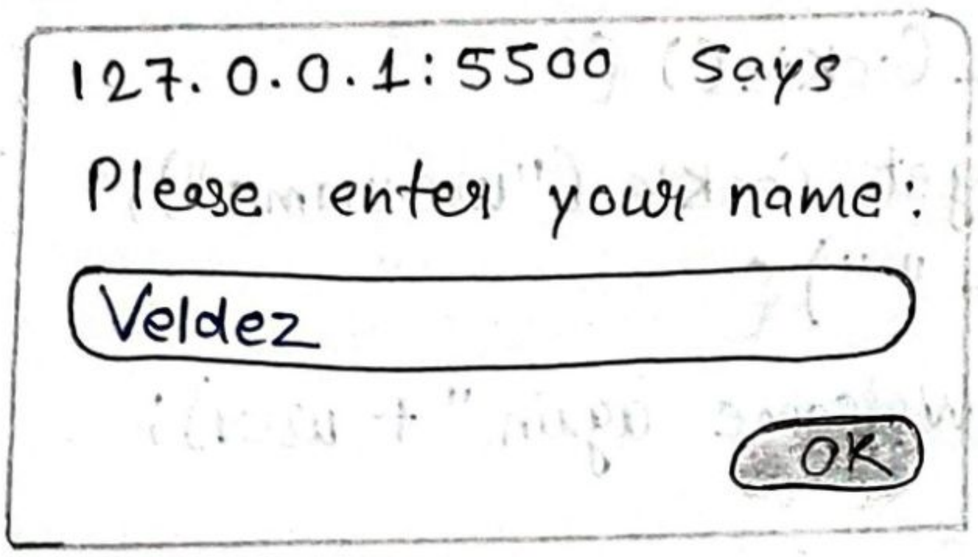
C.] Storing and Retrieving Cookies

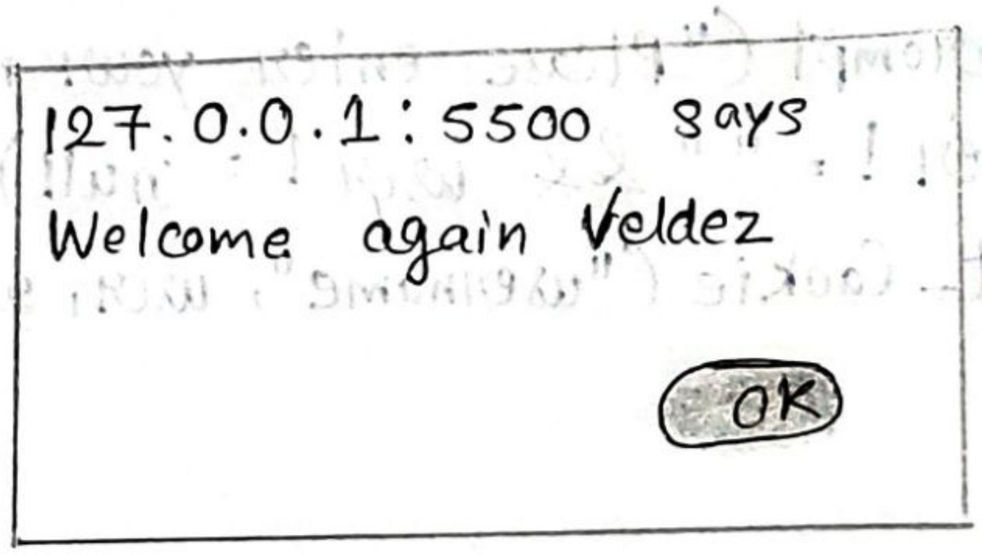
```
<html>
<head>
<script>
function set_Cookie (c_name, c_value, exdays) {
    var dt = new Date ();
    dt. setTime (dt. getTime () + (exdays * 24 * 60 * 60 * 1000));
    var exp = "expires=" + dt. toUTCString ();
    document. cookie = c_name + "=" + c_value + ";" + exp + ";path=/";
}
function get_Cookie (c_name) {
var name = c_name + "=";
var decoded_Cookie = decodeURIComponent(document. cookie);
var ca = decode_Cookie. split (';');
for (var i = 0; i < ca. length; i++) {
    var x = ca[i];
    while (x. charAt (0) == ' ') {
        x = x. substring (1);
    }
    if (x. indexOf (name) == 0) {
        return x. substring (name. length, x. length);
    }
}
return "";
}
```

```
function check_Cookie() {
    var user = get_Cookie ("username");
    if (user != "") {
        alert ("Welcome again " + user);
    } else {
        user = prompt ("Please enter your name:", "");
        if (user != "" && user != null) {
            set_Cookie ("username", user, 20);
        }
    }
}
</script>
</head>
<body onload = "check_Cookie()">
</body>
</html>
```

P-5

OUTPUT- 5.C


127.0.0.1:5500 Says
Please enter your name:
Veldez
OK


127.0.0.1:5500 says
Welcome again Veldez
OK

➤ Program 6 : Create a XML file with Internal / External DTD and display it using

A] CSS

```
<?xml version = "1.0" encoding = "UTF-8" standalone = "yes" ?>
<! DOCTYPE book [
<! ELEMENT book (bname , author, price )>
<! ELEMENT bname (#PCDATA)>
<! ELEMENT author (#PCDATA)>
<! ELEMENT price (#PCDATA )>
]>
<book>
   <bname> Tanmay Patil </bname>
   <author> TutorialsPoint </author>
   <price> 500 </price>
</book>
```

B] 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>
<body>
  <h2> Book Details </h2>
```

```
<table border = "1">
    <to bgcolor = "#ffff00">
        <th> BOOK NAME </th>
        <th> AUTHOR </th>
        <th> PRICE </th>
    </tr>
    <tr>
        <td> <xsl: value-of select = "book/bname" /> </td>
        <td><xsl: value-of select = "book/author" /></td>
        <td><xsl: value-of select = "book/price" /> </td>
    </tr>
    </table>
</body>
</html>
</xsl: template>
</xsl: stylesheet>
```

OUTPUT- 6. A, B XML and XSLT

Transformation Result:

Close

Book DETAILS

Book Name	AUTHOR	PRICE
Tanmay Patil	TutorialPoint	500

➤ Program 7 :- Design a webpage to handle asynchronous requests using AJAX on

A] Mouseover

```
<html>
<body>
  <h1> The HttpRequestAsychonous Request Demo </h1>
  <button type = "button" onmouseover = "showfile()"> Show Text
                                                  file Content </button>
  <script>
    function showfile(){
        var xhttp = new XMLHttpRequest();
        xhttp.onreadystatechange = function(){
          if(this.readyState == 4 && this.status == 200){
            document.write(this.responseText);
          }
        };
        xhttp.open("GET", "My_file1.txt", true);
    }
  </script>
 </body>
</html>
```

OUTPUT- 7.A

The XMLHttpRequestAsychonous Request Demo

Show Text File Content

Rom Rom Bhaiyo...!

B] Button Click

```
<html>
<body>
 <h1> The XMLHttpRequest Asychonous Request Demo </h1>
 <button type = "button" onclick = " showDoc() "> Show file Conten
                                                    </button>
 <script>
   function showDoc() {
       var xhttp = new XMLHttpRequest();
       xhttp.onreadystatechange = function() {
           if (this.readyState == 4 && this.status == 200) {
               document.write(this.responseText);
           }
       };
       xhttp.open("GET", "My_File.txt", true);
       xhttp.send();
   }
  </script>
 </body>
</html>
```

OUTPUT- 7.B

The XMLHttpRequestAsychonous Request Demo

Show file Content

Ram Ram Saryaannoo...!

➤ Program 8: Write PHP scripts for

A. Retrieving data from HTML forms

A.1.] File: form1.html

```
<html>
  <body>
    <form action = "welcome.php" method = "get">
        Name : <input type = "text" name="name" />
        <input type = "submit" value = "visit" />
    </form>
  </body>
</html>
```

A.2.] File: welcome.php

```
<? php
$name = $_GET ["name"];
echo "welcome in Pakistan, $name";
?>
```

B. Performing certain mathematical operation such as calculating factorial / finding Fibonacci Series / Displaying Prime Numbers in a given range / Evaluating Expressions / Calculating reverse of a number.

P- 8

OUTPUT- 8.A (HTML / PHP)

Name: Binod Visit

Welcome in Pakistan, Binod

B.i] Factorial

```
<?php
$n = 4;
$f = 1;
for ($x = 1; $x <= $n; $x++) {
    $f = $f * $x;
}
echo "factorial of $n is : $f";
?>
```

B.ii] Fibonacci Series

```
<?php
$n = 10;
$a = 0;
$b = 1;
echo "$a $b";
for ($i = 3; $i <= $n; $i++) {
    echo $c = $a + $b;
    echo " ";
    $a = $b;
    $b = $c;
}
?>
```

P-8

OUTPUT- 8.B.i

factorial of 4 is: 24

OUTPUT- 8.B.ii

0 1 1 2 3 5 8 13 21 34

B. iii] Prime Number

```
<?php
$n = 50;
for ($j = 2; $j <= $n; $j++){
    for ($k = 2; $k < $j; $k++){
        if ($j % $k == 0){
            break;
        }
    }
    if ($k == $j){
        echo "Prime number: ", $j, "<br>";
    }
}
?>
```

B. iv] Reverse Number

```
<?php
$num = 139;
$r = 0;
while ($num != 0){
    $r = $r * 10 + $num % 10;
    $num = (int) ($num / 10);
}
echo "Reverse of the number is: $r";
?>
```

OUTPUT- 8.B.iii

Prime number: 2
Prime number: 3
Prime number: 5
Prime number: 7
Prime number: 11
Prime number: 13
Prime number: 17
Prime number: 19
Prime number: 23
Prime number: 29
Prime number: 31
Prime number: 37
Prime number: 41
Prime number: 43
Prime number: 47

OUTPUT- 8.B.iv

Reverse of the number is: 931

C] Working with Arrays

```
<!DOCTYPE html>
<html>
    <body>
    <?php
    $numb = array(1, 2, 3, 4, 5);
    foreach ($numb as $v) {
        echo "Value = $v <br>";
    }
    ?>
    </body>
</html>
```

D. Working with Files (Reading / Writing)

D.i] File Writing

```
<html>
 <body>
   <?php
    $filename = "test.txt";
    $file = fopen($filename, "w");
    if ($file == false) {
        echo "Error in opening file";
        exit();
    }
    fwrite ($file, "This is a sample text file. ");
    fclose ($file);
```

Bas Karo Yaar Kitha dekh Ke Likho... (")

P-8

OUTPUT - 8.C

```
Value = 1
Value = 2
Value = 3
Value = 4
Value = 5
```

OUTPUT - 8.D.i

```
text.txt  Created
```

```
?>
</body>
</html>
```

D.ii] File Reading

```
<html>
  <head>
    <title> Reading a file using PHP </title> </head>
    <body>
      <?php
       $filename = "test.txt";
      $file = fopen ($filename, "r");
      if ($file == false) {
          echo "Error in opening file";
          exit();
      }
      $filesize = filesize ($filename);
      $filetext = fread ($file, $filesize);
      fclose ($file);
      echo ("<pre> $filetext </pr> ");
      ?>
</html>
```

OUTPUT- 8.D.ii

Bas Karo yaar Kitna dekh Ke Likhoge...!

➢ Program 9: Write PHP scripts for

A. Working with Databases (Storing Records / Reprieving Records and Display them)

```
<?php
$servername = "Localhost";
$username = "root";
$password = "Admin@123";
$dbname = "myDB";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn -> connect_error) {
    die ("connection_failed : ".$conn -> connect_error);
}
$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('Abc', 'Def','abc@yahoo.com')";
if($conn ->query ($sql) == TRUE) {
    echo "New record created successfully";
} else {
    echo "Error: ". $sql. "<br>" . $conn -> error;
}
$sql = "SELECT id, firstname, lastname FROM MyGuests";
$result = $conn -> query ($sql);
```

```
if ($result -> num_rows >0){
    while ($row = $result -> fetch_assoc ()){
        echo "id : ", $row ["id"]. " - Name : ". $row ["firstname"]
                    . " ". $row ["Lastname"]. "<br>";
    }
}else{
    echo "0 results";
}
$conn -> close ();
?>
```

B] Storing and Retrieving Cookies

```
<?php
setcookie ("user", "Guest");
?>
<html>
    <body>
<?php
if (!isset ($_COOKIE ["user"])) {
    echo "Cookie is not set yet. Please refresh the page.";
} else {
    echo "Cookie Value : ". $_COOKIE ["user"];
}
?>
    </body>
</html>
```

P-9

OUTPUT- 9.A

New record created successfully id: 1 - Name : Abc def
id: 2 - Name : Abc Def

OUTPUT- 9.B

Cookie is not set you. Please refresh the page.

C. Storing and Retrieving Sessions

C.1] Storing Session

```
<? php
session_start();
?>
<html>
    <body>
<?php
$_SESSION["favcolor"] = "purple";
$_SESSION["favflower"] = "Lily";
echo "Session variables are set.";
?>
    </body>
</html>
```

C.2] Retrieving Sessions

```
<? php
session_start();
?>
<html>
    <body>
<?php
echo "Favorite color is ". $_SESSION["favcolor"]. "<br>";
echo "Favorite animal is ". $_SESSION["favflower"]. "<br>";
?>
    </body>
</html>
```

P-9

OUTPUT-9.C.1

Session variables are set.

OUTPUT- 9.C.2i

Favorite color is purple.
favorite animal is lily.

Program 10: Design a webpage with some jQuery animation effects.

```
<html>
<head>
<script src="https://code.jquery.com/jquery-3.7.1.min.js">
</script>
<script>
  $(document).ready(function(){
      $("button").click(function(){
          $("#p1").toggle()
      });
      $("#p2").click(function(){
          $("#p2").hide();
      });
      $("button").click(function(){
          $("#p3").animate({height: 'toggle'});
      });
});
</script> </head>
</body>
<button> click here </button>
<p id="p1">This is a paragraph with litle content.</p>
<p id="p2">Click Me This is another small paragraph</p>
<p id="p3"> Moving !!! </p>
</body>
</html>
```

OUTPUT- 10

Click here

This is a paragraph with litle content.

Click Me This is another small paragraph

Moving !!!