

PRACTICAL NO: 03

PRACTICAL NO: 3.1

Design a web page that makes use of CSS background property (external css).

PROGRAM:

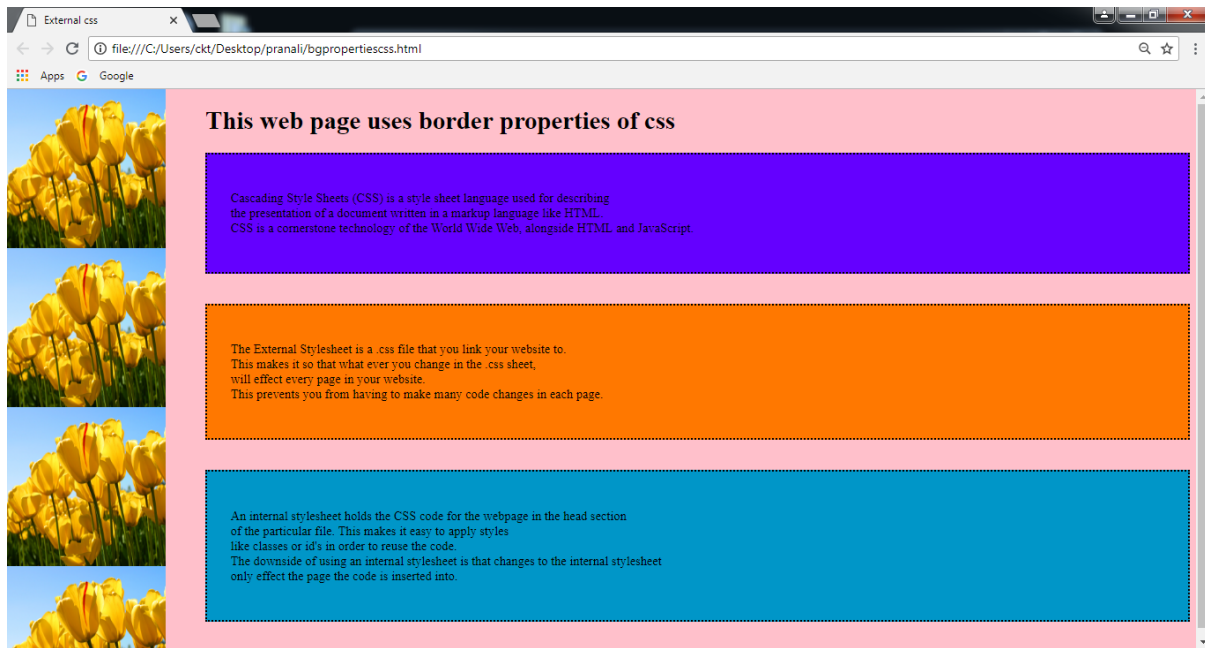
```
<!DOCTYPE HTML>
<HTML>
<head><title> External css </title>
<LINK rel="Stylesheet" type="text/CSS" href="bgpropertiescss.css">
</head>
<body>
<h1> This web page uses border properties of css </h1>
<div id=d1>
<p> Cascading Style Sheets (CSS) is a style sheet language used for describing <br> the
presentation of a document written in a markup language like HTML. <br> CSS is a cornerstone
technology of the World Wide Web, alongside HTML and JavaScript.<br> </p> </div> <br>
<div id=d2>
<p> The External Stylesheet is a .css file that you link your website to. <br> This makes it so
that what ever you change in the .css sheet, <br> will effect every page in your website. <br>
This prevents you from having to make many code changes in each page. <br> </p> </div> <br>
<div id=d3>
<p> An internal stylesheet holds the CSS code for the webpage in the head section <br> of the
particular file. This makes it easy to apply styles <br> like classes or id's in order to reuse the
code. <br> The downside of using an internal stylesheet is that changes to the internal stylesheet
<br> only effect the page the code is inserted into.<br> </p> </div> <br> <br>
</body>
</HTML>
```

.CSS FILE

```
body{
background-color:pink;
background-image:url("Tulips.jpg");
```

```
background-repeat:repeat-y;
background-position:left top;
margin-left:250px;
background-attachment:Fixed;
background-size:200px 200px;
}
#d1 {
    border:2px dotted black;
padding:30px;
background:rgb(100,0,255);
    }
#d2 {
    border:2px dotted black;
padding:30px;
background:rgb(255,120,0);
    }
#d3 {
    border:2px dotted black;
padding:30px;
background:rgb(0,150,200);
    }
```

OUTPUT:



PRACTICAL NO: 3.2

CSS property to change the Font and text Sytles (Internal CSS)

PROGRAM:

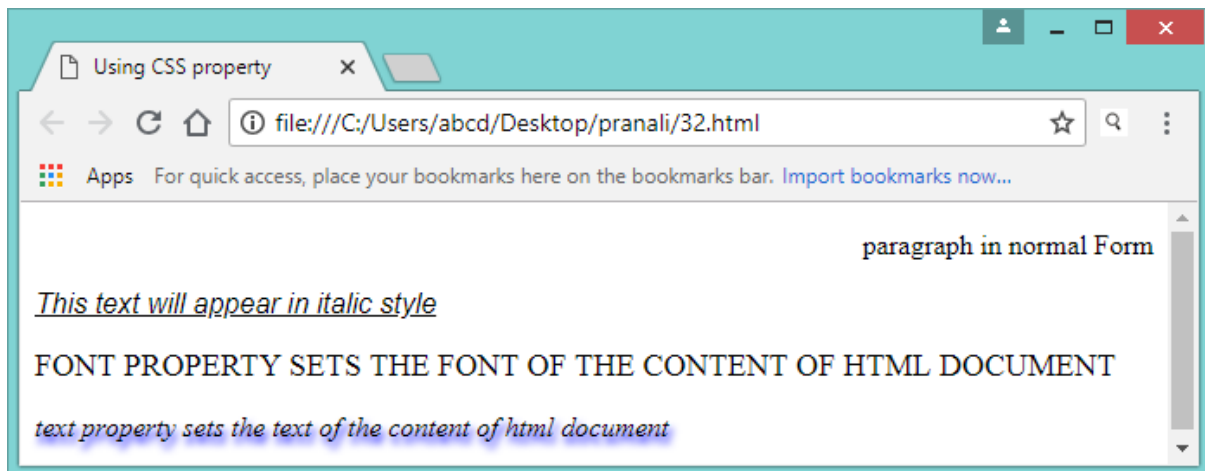
```
<!Doctype html>
<HTML>
<head>
<title> Using CSS property</title>
<style>
p.normal{
Font-Family:"Times New Roman";
Font-Style: normal;
text-align:right;}
.static{
Font-Family: Arial;
Font-Style:italic;
text-decoration: underline;}
#d1 {
Font-weight:300;
Font-Size:large;
Font-variant: small-caps;
```

```

text-transform: uppercase;}
p.d2{
Font-style:oblique;
text-shadow:2px 4px 6px blue;}
</style></head>
<body>
<p class="normal">paragraph in normal Form</p>
<p class="static"> This text will appear in italic style</p>
<div id="d1"> Font property sets the font of the content of html document</div>
<p class="d2">
text property sets the text of the content of html document </p>
</body>
</HTML>

```

OUTPUT:



PRACTICAL NO: 3.3

CSS property for positioning an element(Inline CSS)

PROGRAM:

```

<!Doctype html>
<HTML>
<head>
<title> Using positioning properties </title>
</head>
<body>

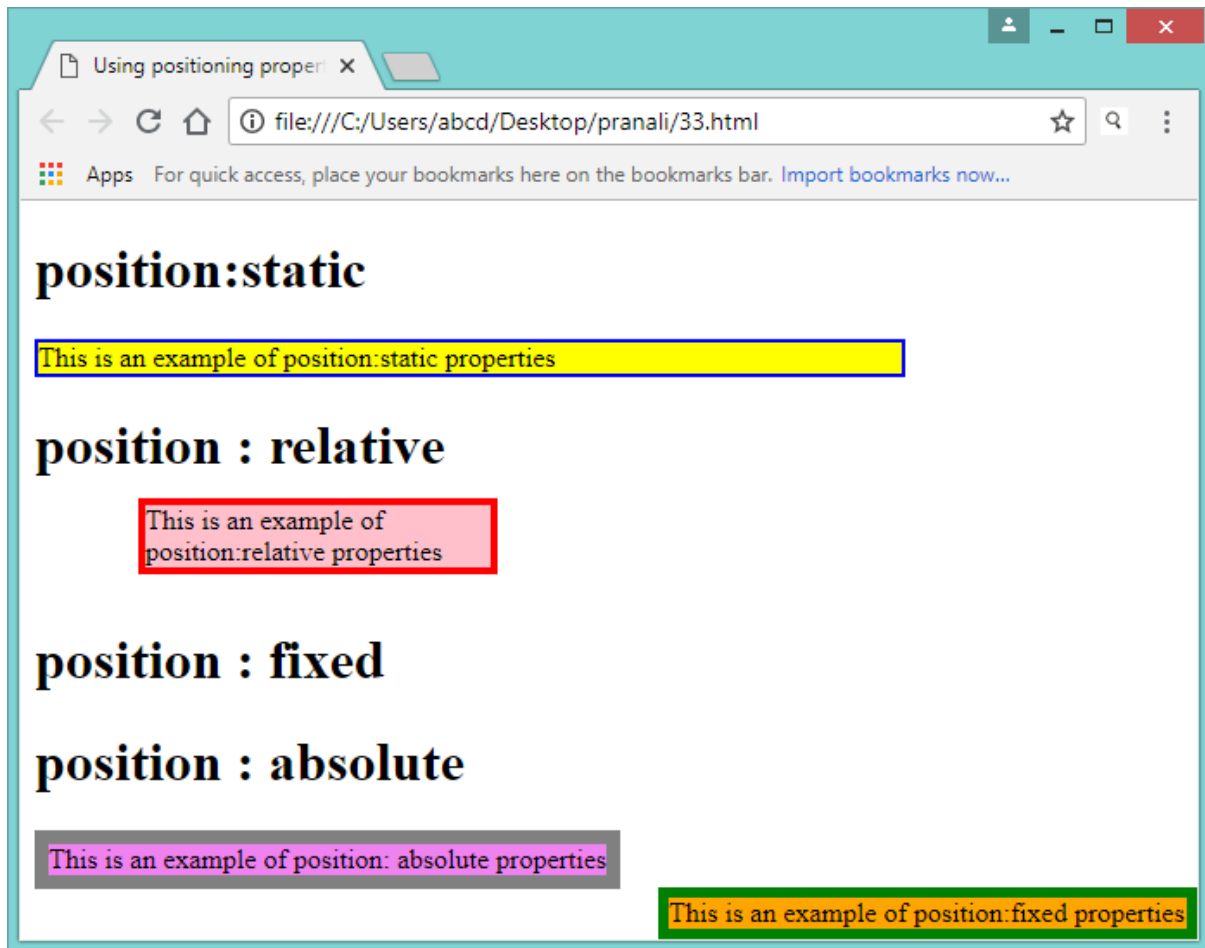
```

```

<h1>
position:static</h1>
<div style="position:static; border: 2px solid blue;
top:20px; left:20px; background-color:yellow;
width:500px;">This is an example of position:static properties</div>
<h1> position : relative </h1>
<div style="position:relative;
border:4px solid red;
top:-10px;
left:60px;
background-color:pink;
width:200px;">This is an example of position:relative properties</div>
<h1> position : fixed </h1>
<div style="position: fixed;
border: 6px solid green;
bottom:0;
right:0;
background-color:orange;
width:300px;">This is an example of position:fixed properties</div>
<h1> position : absolute</h1>
<div style="position: absolute;
border: 8px solid grey;
background-color:violet ;">This is an example of position: absolute properties</div>
</body>
</HTML>

```

OUTPUT:



PRACTICAL NO :04

AIM : DESIGN A WEBPAGE THAT MAKE A USE OF CASCADING STYLE SHEETS WITH :

- a. CSS properties to change the background of a page.
 - b. CSS properties to change fonts and text styles.
-
- a. CSS properties to change the background of a page.

Code :

```
<!DOCTYPE html>
```

```
<html>
<head>
<title> background properties with CSS </title >
<style>
body
{
background-color:lightblue ;
background-image :url("flower.jpg") ;
background-position:center;
background-attachment:fixed;
background-repeat-y:no-repeat;
}
</style>
</head>
<body>
<h1> THIS IS HEADING</h1>
<p> this is paragraph</p>
</body>
</html>
```

THIS IS HEADING

this is paragraph



b. CSS properties to change fonts and text styles.

b1) CSS FONT FAMILY :

Code :

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
.p1{
```

```
font-family:"Times News Roman","Times,serif";
```



```
}  
.p2{  
  font-family:"Arial","Helvetica ","sans-serif";  
}  
.p3{  
  font-family:"Lucida Console","Courier New","monospace";  
}  
</style>  
</head>  
<body>  
<h1>CSS font-family</h1>  
<p class="p1">This paragraph,shown in the Times News Roman  
font.</p>  
<p class="p2">This paragraph,shown in the Arial font.</p>  
<p class="p3">This paragraph,shown in the Lucida Console font.</p>  
</body>  
</html>
```

CSS font-family

This paragraph, shown in the Times News Roman font.

This paragraph, shown in the Arial font.

This paragraph, shown in the Lucida Console font.

b2) CSS FONT SIZE :

CODE :

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
h1 {
```

```
    font-size: 40px;
```

```
}
```

```
h2 {
```

```
    font-size: 30px;
```

```
}
```

```
p {
```

```
    font-size: 14px;
```

```
}
```

```
</style>
```

```
</head>

<body>

<h1>This is heading 1</h1>

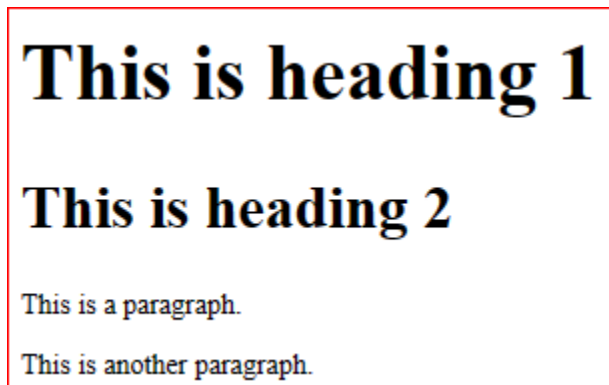
<h2>This is heading 2</h2>

<p>This is a paragraph.</p>

<p>This is another paragraph.</p>

</body>

</html>
```



b3) CSS FONT STYLE :

CODE :

```
<!DOCTYPE html>

<html>

<head>

<title>CSS FONT STYLE</title>

</head>
```

```
<style>
p.normal {
    font-style: normal;
}
p.italic {
    font-style: italic;
}
p.oblique {
    font-style: oblique;
}
</style>
</head>
<body>
<h1>The font-style property</h1>
<p class="normal">This is a paragraph in normal style.</p>
<p class="italic">This is a paragraph in italic style.</p>
<p class="oblique">This is a paragraph in oblique style.</p>
</body>
</html>
```

OUTPUT :

The font-style property

This is a paragraph in normal style.

This is a paragraph in italic style.

This is a paragraph in oblique style.

Practical No:05

Aim:

- a. Calculate a factorial of a given number using java script

Program:

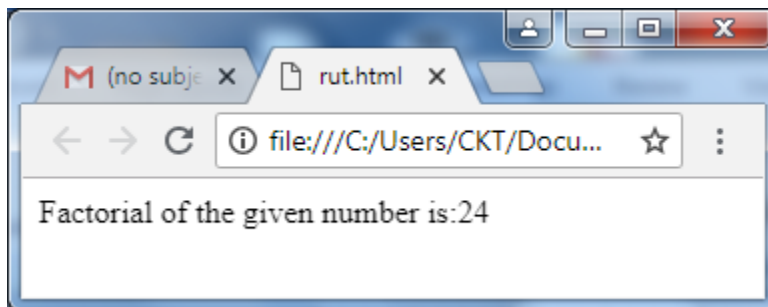
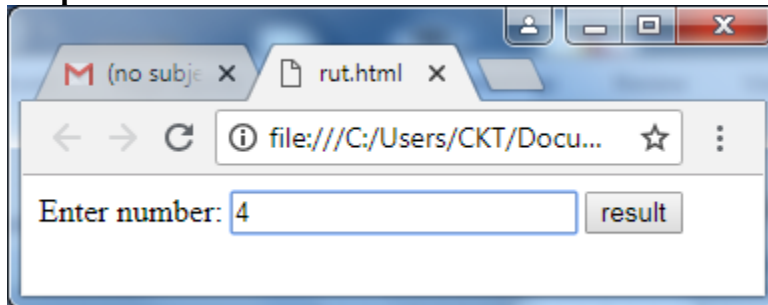
```
<html>
<head>
<script>
function display()
{
var i=1;
var fact=1;
var a = Number(document.getElementById("num").value);
for(i=1; i<=a; i++)
fact=fact*i;
{
document.write("Factorial of the given number is:"+fact);
}
}
</script>
</head>
<body>
```

```

<label>Enter number:</label>
<input id="num">
<input type="button" onclick="display()" value="result">
</body>
</html>

```

Output:



b. Display the prime number in given range using prime number

Program:

```

<html>
<head>
<script>
function display()
{
var i=0;
var j=0;
var counter;
var b;
var a = Number(document.getElementById("num").value);
document.write("Prime numbers are:");
for(i=1; i<=a; i++)
{
    counter=0;
    for(j=1; j<=i; j++)
        if(i%j==0)

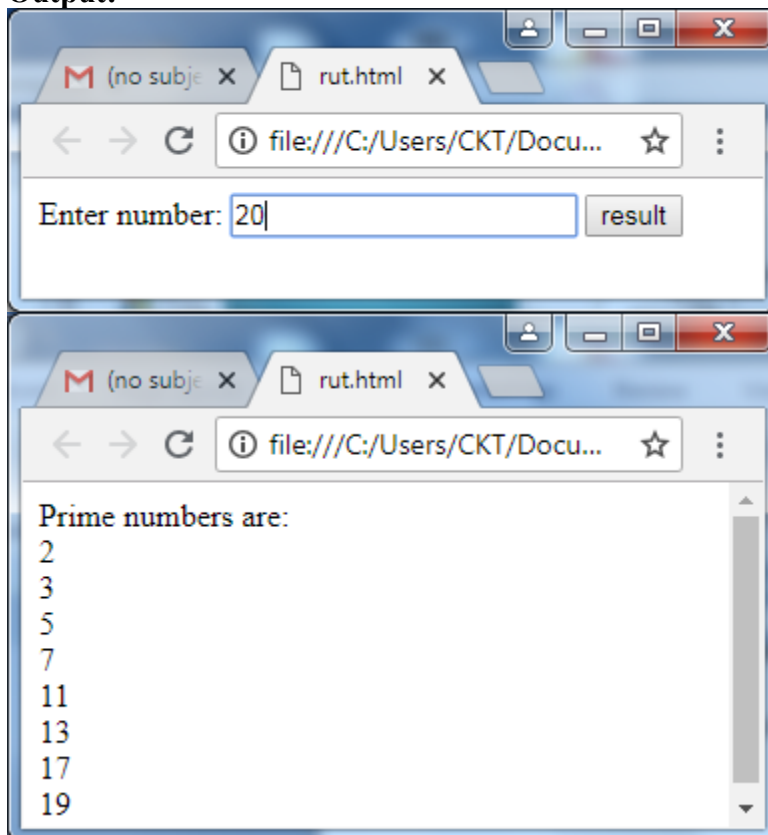
```

```

        {
            counter++;
        }
        if(counter==2)
        {
            document.write("<br>" + i);
        }
    }
}
</script>
</head>
<body>
<label>Enter number:</label>
<input id="num">
<input type="button" onclick="display()" value="result">
</body>
</html>

```

Output:



c. Display Fibonacci series for a given range using java script

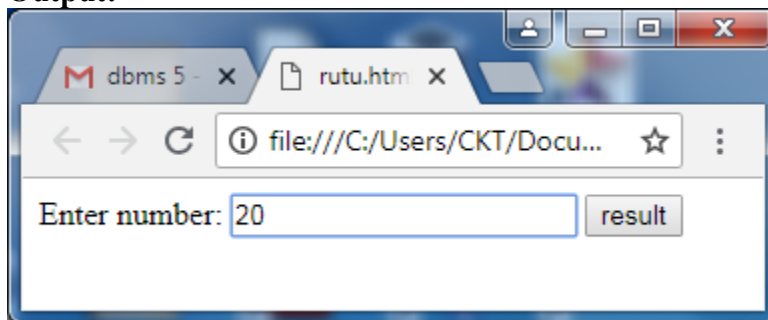
Program:

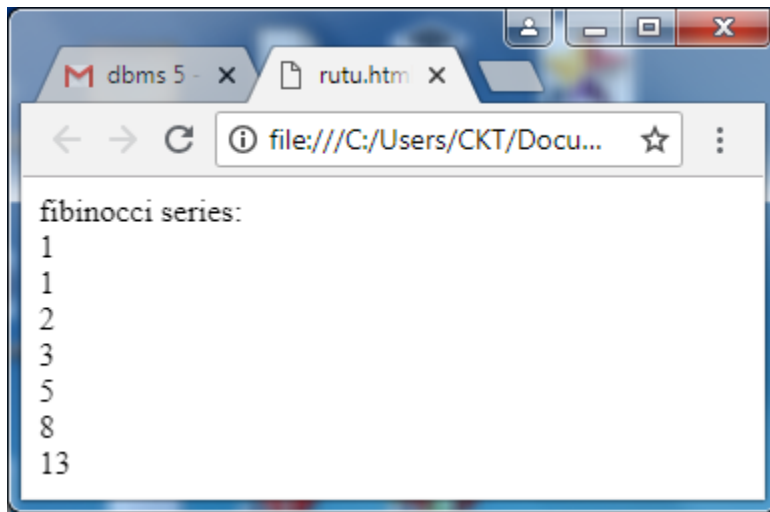
```
<html>
<head>
<script>
function fibinocci()
{
var a=1;
var b=0;
var c;
var num;
var num= Number(document.getElementById("num").value);
document.write("fibinocci series:");
for(a=1; a<=num; a++)
{

document.write("<br>" +a)
        c=a+b;
        a=b;
        b=c;

}
}
</script>
</head>
<body>
<label>Enter number:</label>
<input id="num">
<input type="button" onclick="fibinocci()" value="result">
</body>
</html>
```

Output:





d. Displaying addition of two numbers using java script

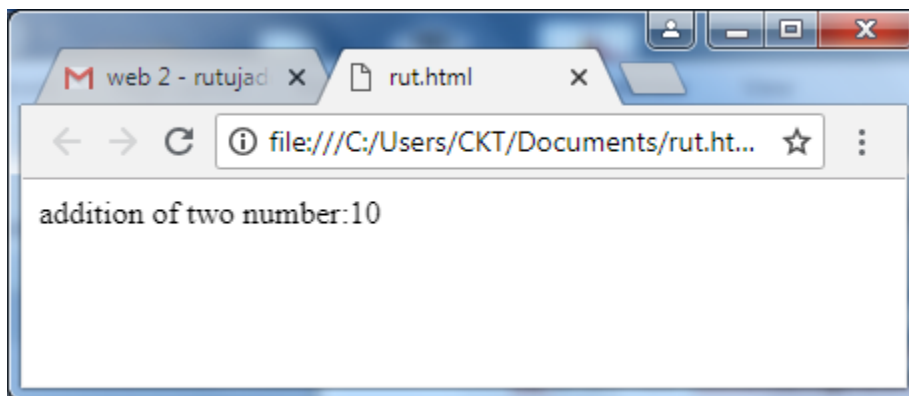
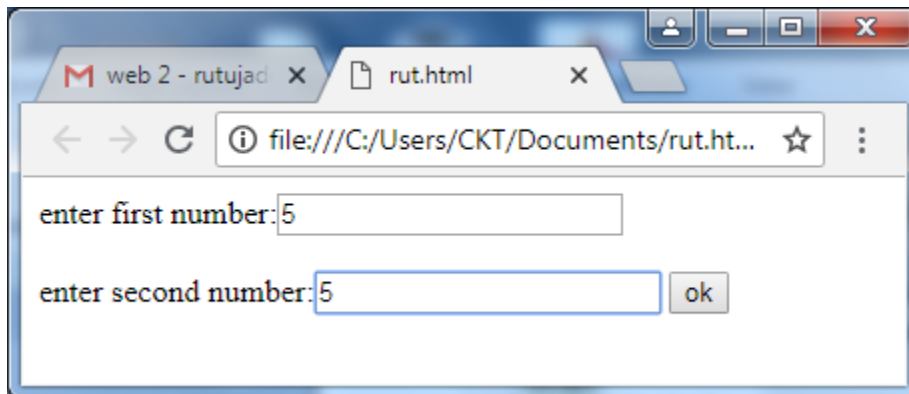
Program:

```
<html>
<head>
<script>
function display()
{

var a=Number(document.getElementById("first").value);
var b=Number(document.getElementById("second").value);
var c=a+b;
document.write("addition of two number:"+c);

}
</script>
</head>
<body>
<label>enter first number:</label><input id="first">
<br>
<br>
<label>enter second number:</label><input id="second">
<input type="button" onclick="display()" value="ok">
</body>
</html>
```

Output:



e. EVALUTING EXPRESSION USING EVAL() FUNCTION :

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
</head>
```

```
<body>
```

```
<p>Click the button to evaluate JavaScript code/expression:</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:

Click the button to evaluate JavaScript code/expression:

Try it

Click the button to evaluate JavaScript code/expression:

Try it

200
4
27

f. calculating reverse number :

```

<html>
<head>
<script>
function palin()
{
var a, no, temp = 0;
no = Number(document.getElementById("no_input").value);

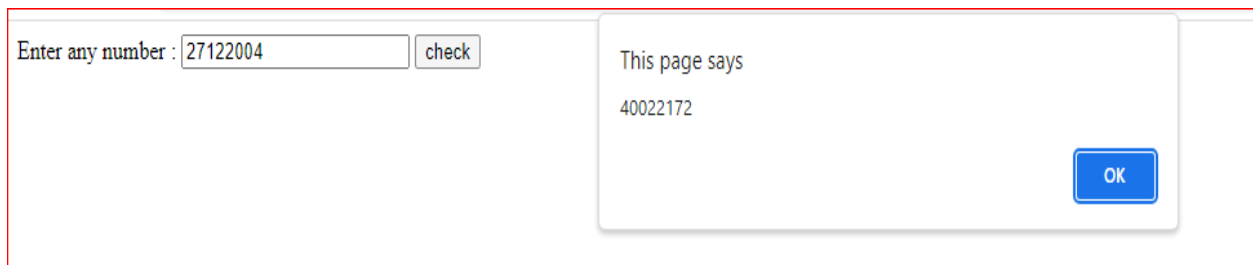
```

```

while(no > 0)
{
a = no % 10 ;
no = parseInt(no/10);
temp= temp*10+a;
}
alert(temp);
}
</script>
</head>
<body>
Enter any number : <input id = "no_input">
<button onclick="palin()"> check </button></br></br>
</body>
</html>

```

OUTPUT:



The screenshot shows a web browser window. On the left, there is a form with the text "Enter any number : " followed by a text input field containing the number "27122004". To the right of the input field is a button labeled "check". On the right side of the browser window, an alert dialog box is displayed. The dialog box has a title bar that says "This page says" and the main text area contains the number "40022172". At the bottom right of the dialog box is a blue button labeled "OK".

Practical No. 6

Design a JavaScript code for Performing various Validation Operations such as:

a. Number validation function.

PROGRAM:

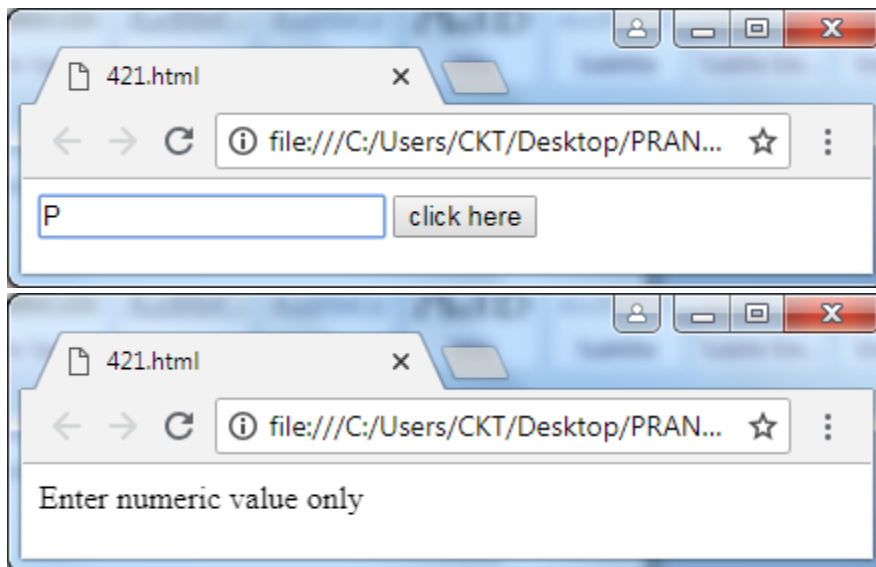
```

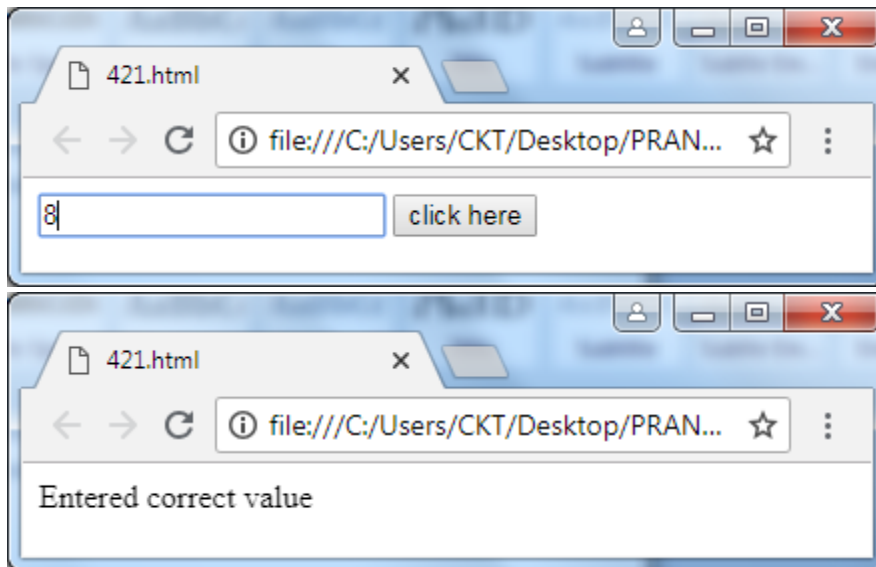
<HTML>
<head>
<script>

```

```
function validNum()
{
var num=document.myForm.num.value;
if(isNaN(num))
{
document.write("Enter numeric value only");
}
else
{
document.write("Entered correct value");
}
}
</script>
</head>
<body>
<form name="myForm">
<input type="text" name="num">
<input type="button" value="click here" onclick="validNum()">
</form>
</body>
</HTML>
```

OUTPUT:





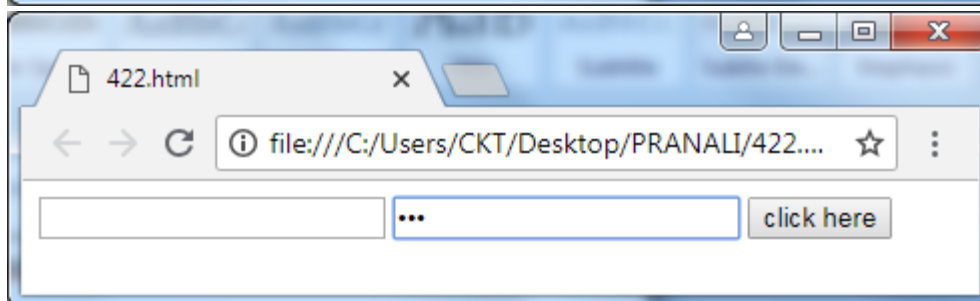
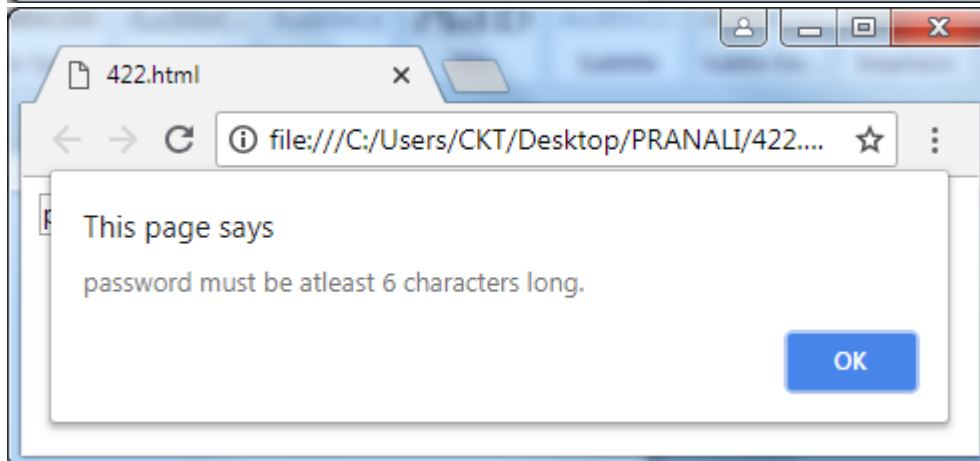
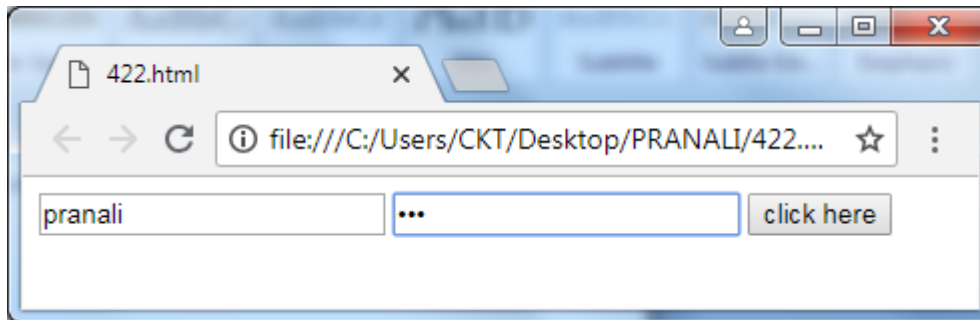
b. Name password validation function.

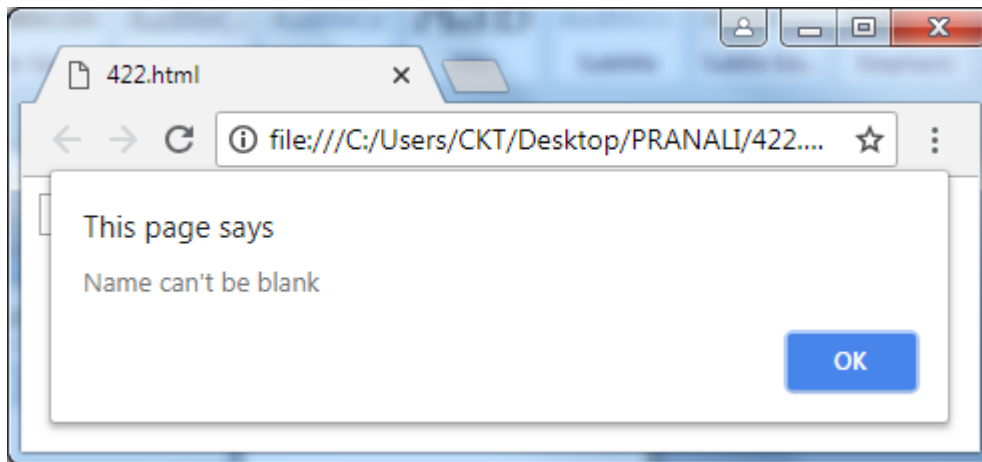
PROGRAM:

```
<HTML>
<head>
<script>
function validateLogin()
{
var name=document.myForm.name.value;
var pwd=document.myForm.password.value;
if(name==null || name=="")
{
    alert("Name can't be blank");
    return false;
}
else if(pwd.length<6)
{
    alert("password must be atleast 6 characters long.");
    return false;
}
}
</script>
</head>
<body>
```

```
<form name="myForm">
<input type="text" name="name">
<input type="password" name="password">
<input type="button" value="click here" onclick="validateLogin()">
</form>
</body>
```

OUTPUT:





c. Retype password validation function.

PROGRAM:

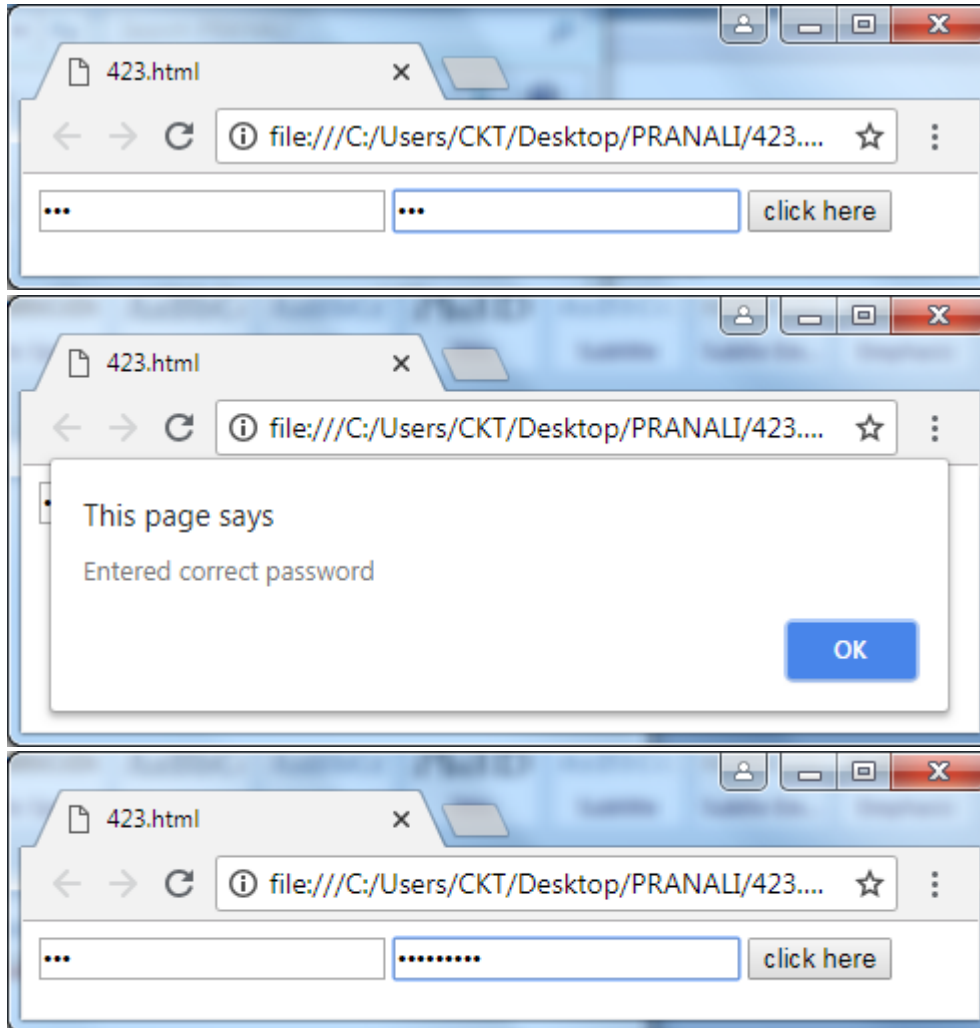
```
<HTML>
<head>
<script>
function retype_pass()
{
var firstpwd=document.f1.password.value;
var secondpwd=document.f1.password2.value;
if(firstpwd==secondpwd)
{
alert("Entered correct password");
return true;
}
else
{
alert("password must be same!");
return false;
}
}
</script>
</head>
<body>
<form name="f1">
<input type="password" name="password">
<input type="password" name="password2">
<input type="button" value="click here" onclick="retype_pass()">

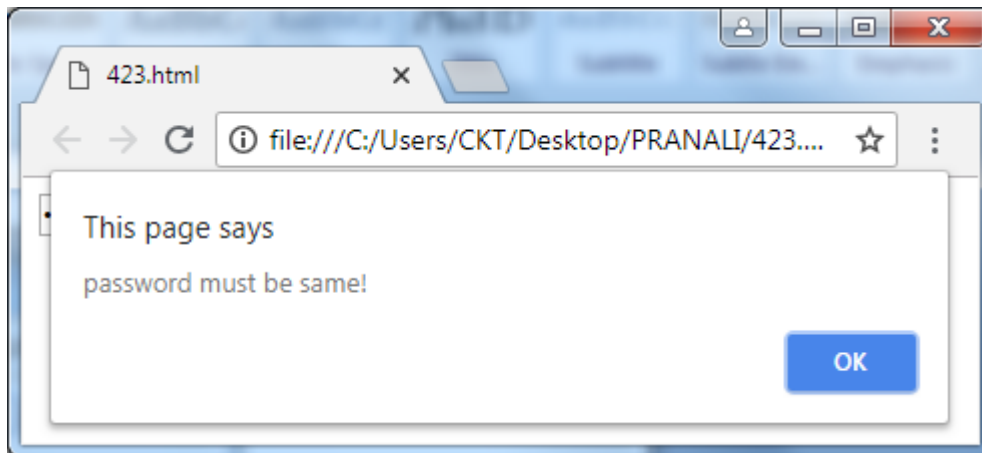
```



```
</form>
</body>
</HTML>
```

OUTPUT:





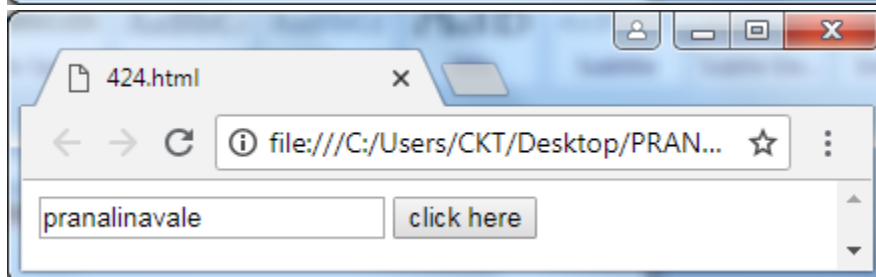
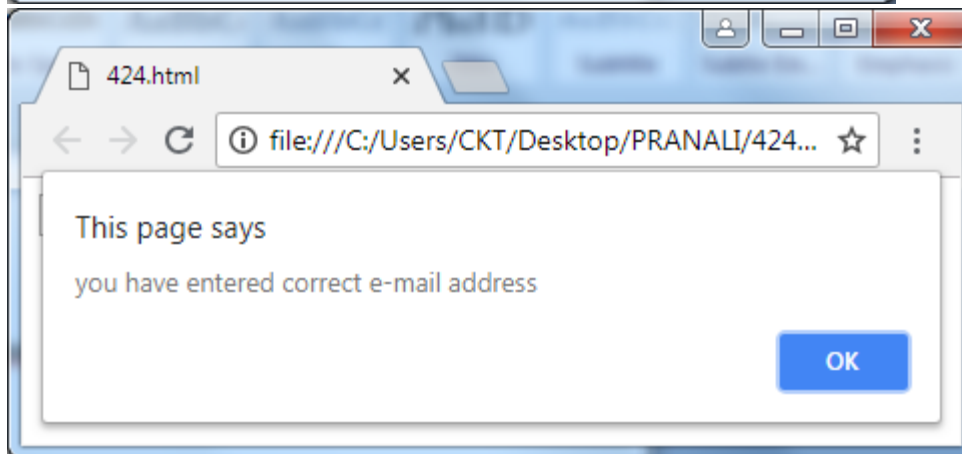
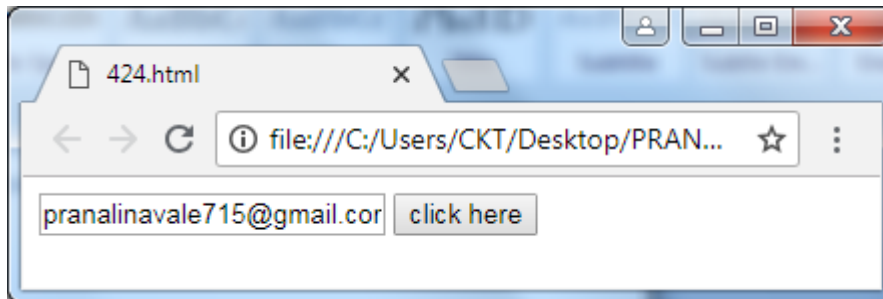
d. Email validation function.

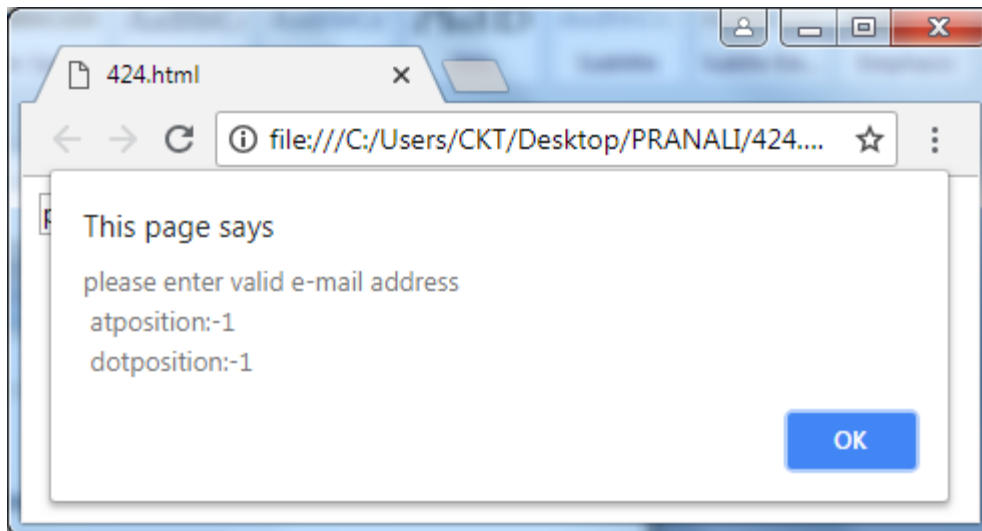
PROGRAM:

```
<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 valid e-mail address \n atposition:"+atposition+"\n
dotposition:"+dotposition);
    return false;
}
else
{
    alert("you have entered correct e-mail address");
}
}
</script>
</head>
<body>
<form name="myform">
<input type="text" name="email">
```

```
<input type="button" value="click here" onclick="validateemail()">
</form>
</body>
</HTML>
```

OUTPUT:





e. Validating a phone number.

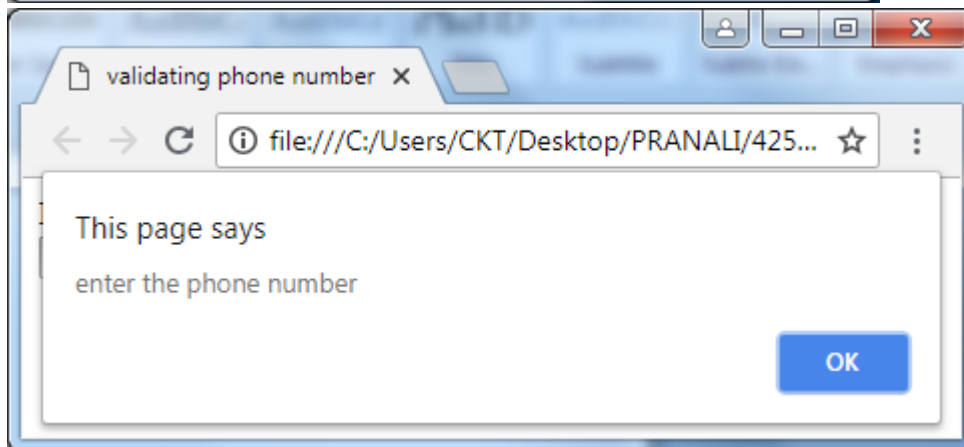
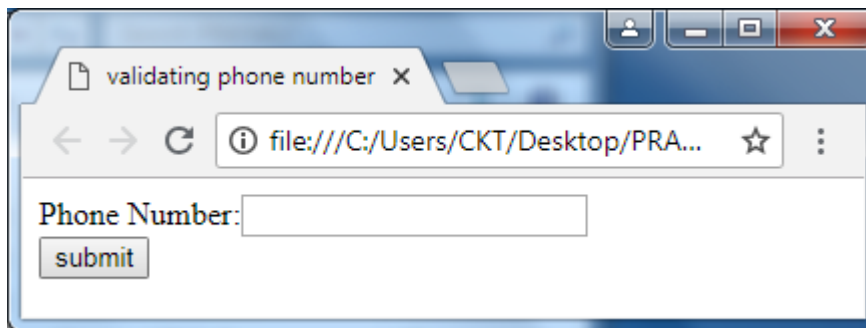
PROGRAM:

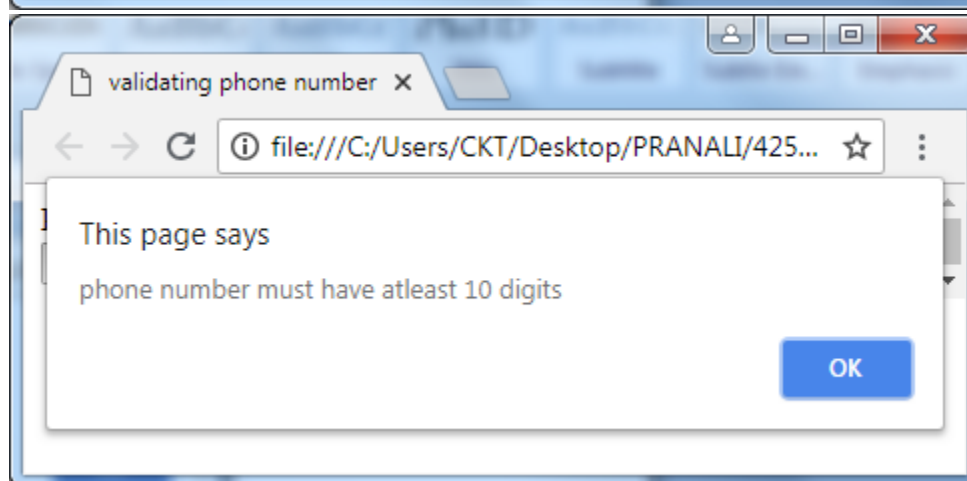
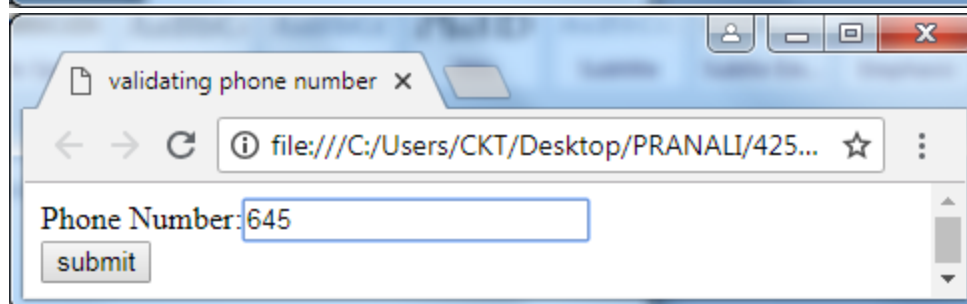
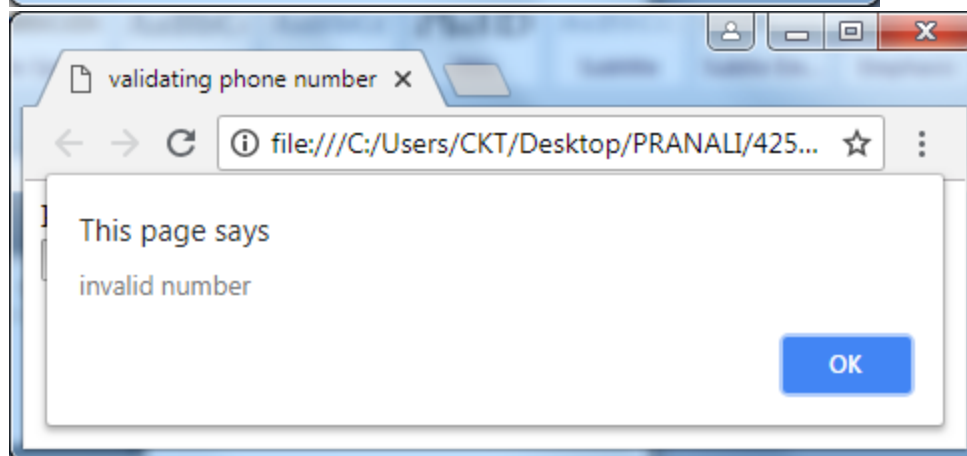
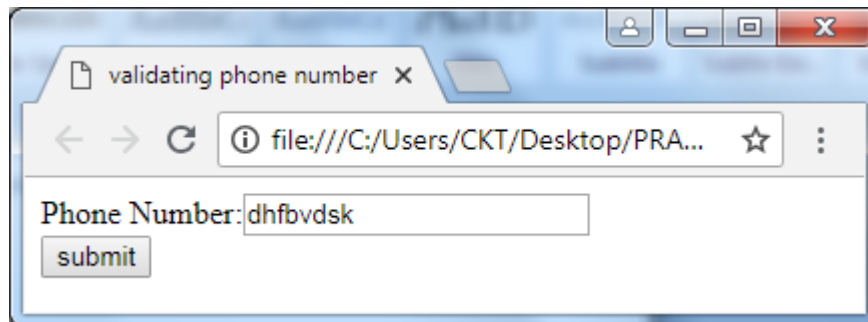
```
<!DOCTYPE HTML>
<HTML>
<head>
<title> validating phone number </title>
<script type="text/javascript">
function validatePhNum()
{
var ph=document.myform.phnum.value;
if(ph=="")
{
alert("enter the phone number");
}
else if(isNaN(ph))
{
alert("invalid number");
}
else if(ph.length<10)
{
alert("phone number must have atleast 10 digits");
}
else
{

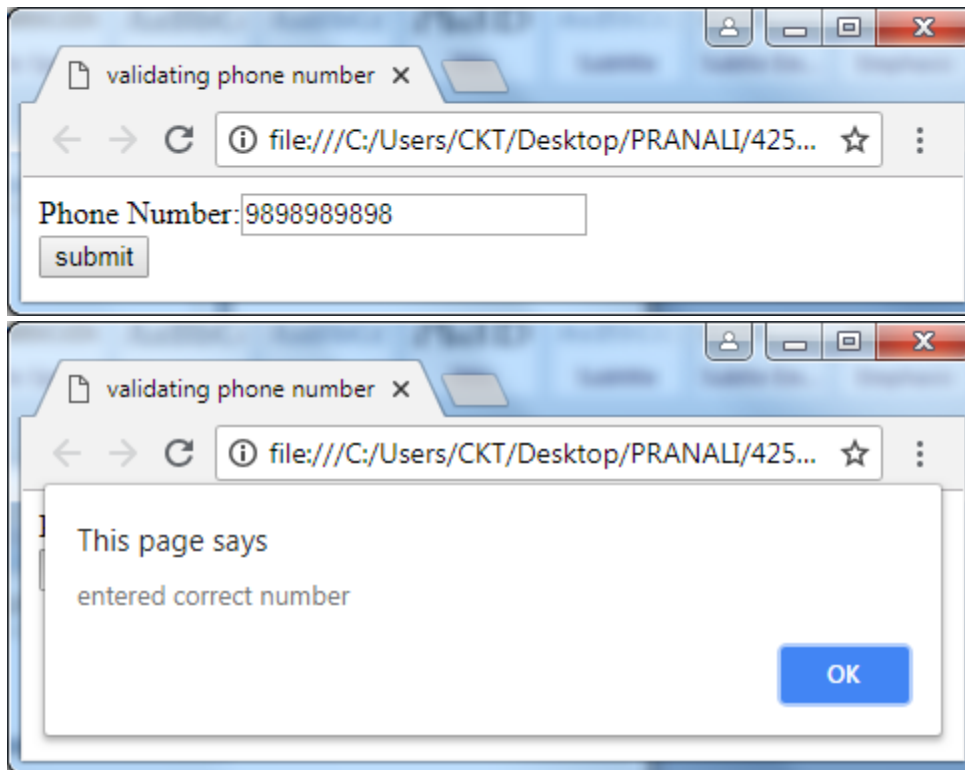
```

```
    alert("entered correct number");
  }
}
</script>
</head>
<body>
<form name="myform">
Phone Number:<input type="text" name="phnum"><br>
<input type="button" value="submit" onclick="validatePhNum()">
</form>
</body>
</HTML>
```

OUTPUT:







PRACTICAL NO: 07

a. Demonstrate JavaScript Objects such as Strings/ Regular Expression/ Math/ Date.

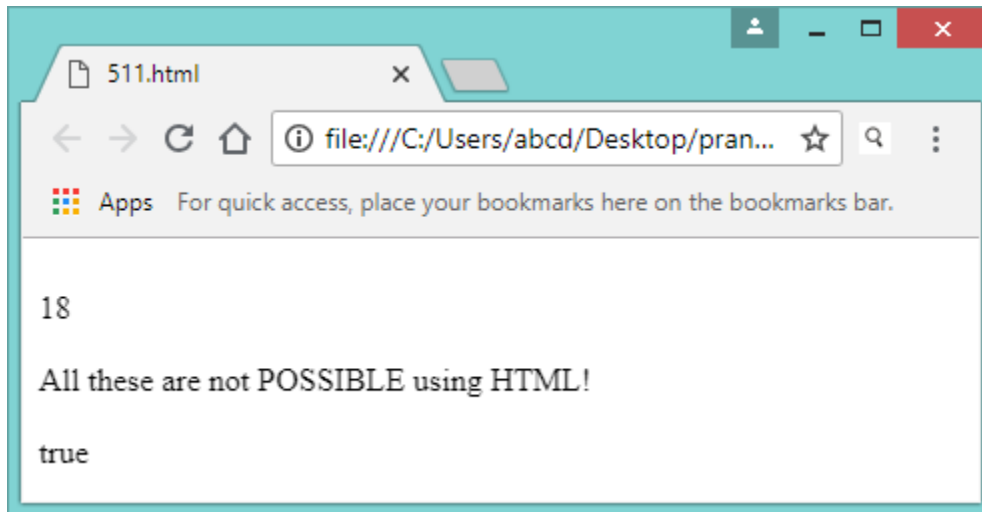
a1: Regular expression demonstration.

PROGRAM:

```
<HTML>
<body>
<p> REGULAR EXPRESSION </p>
<button onclick="myFunction()"> click</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:

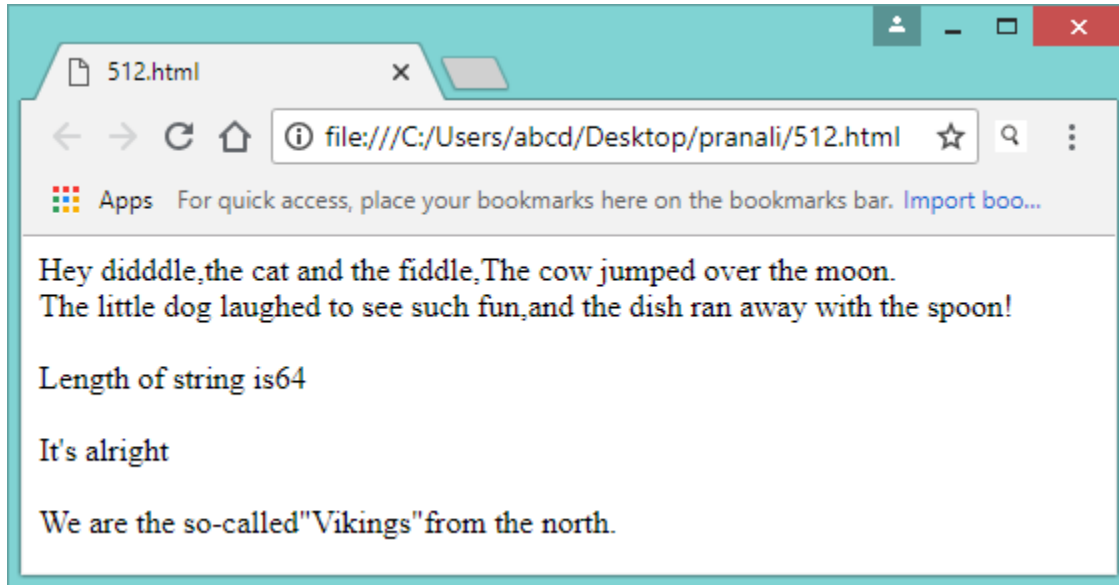


a2:String demonstration

PROGRAM:

```
<HTML>
<body>
<script>
var str1="Hey diddle,the cat and the fiddle,The cow jumped over the moon.";
var str2="The little dog laughed to see such fun,and the dish ran away with the spoon!";
document.write(str1+"<br>" +str2+"<br>");
var sln=str1.length
document.write("<br>"+"Length of string is"+sln+"<br>");
var x='It\'s alright';
var y="We are the so-called\"Vikings\"from the north."
document.write("<br>" +x+"<br>");
document.write("<br>" +y+"<br>");
</script>
</body>
</HTML>
```


OUTPUT:



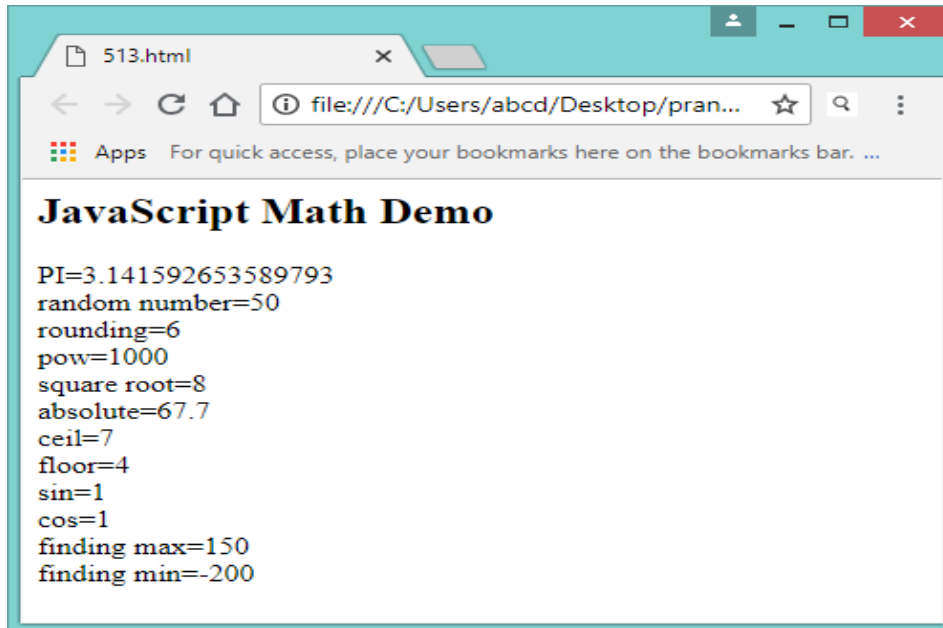
a3:Math demonstration.

PROGRAM:

```
<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>");
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>");
```

```
document.write("finding min="+Math.min(0,150,30,20,-8,-200)+"<br>");
</script>
</body>
</HTML>
```

OUTPUT:



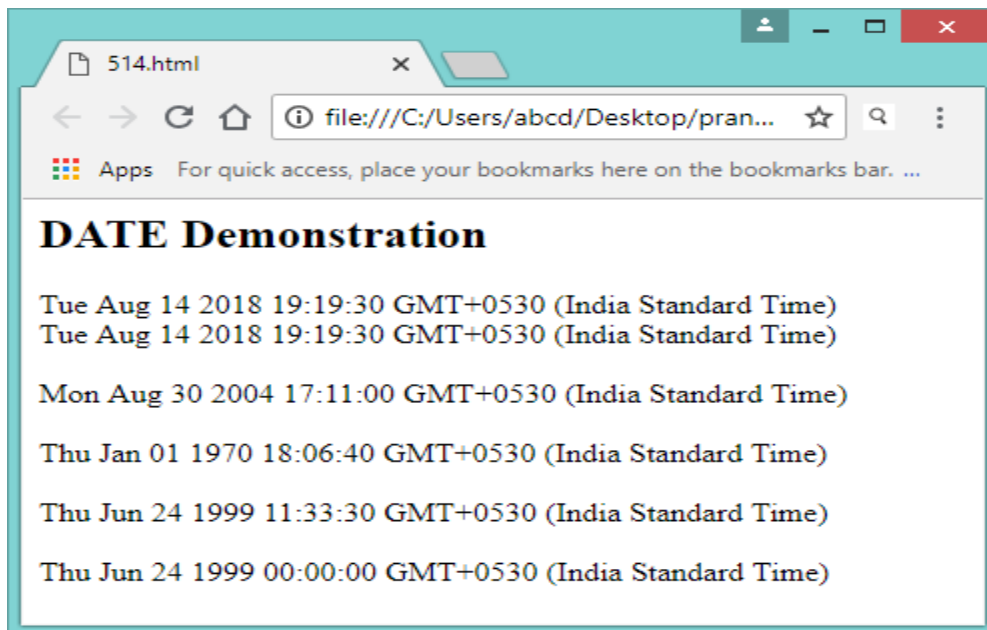
a4 Date demonstration

PROGRAM:

```
<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(45400000);
document.write("<br>" + d2 + "<br>");
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.toUTCString() + "<br>");  
</script>  
</body>  
</HTML>
```

OUTPUT:



b. Demonstrate JavaScript Objects such as Window/ Navigator/ History/ Location/ Document.

b1 WINDOW Object :

<html>

<body>

<h2>Window object</h2>

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

<script>

```
var w = window.innerWidth || document.documentElement.clientWidth ||  
document.body.clientWidth;
```

```
var h = window.innerHeight || document.documentElement.clientHeight ||  
document.body.clientHeight;
```

```
var x = document.getElementById("demo");
```

```
x.innerHTML = "Browser inner window width: " + w + ", height: " + h + ".";
```

</script>

</body>

</html>

Window object

Browser inner window width: 1366, height: 651.

b2 Navigator object :

<html>

<body>

<h2>JavaScript Navigator Object</h2>

<script>

```
document.writeln("<br/>navigator.appCodeName:"+navigator.appCodeName);
```

```
document.writeln("<br/>navigator.appName:"+navigator.appName);
```

```
document.writeln("<br/>navigator.appVersion:"+navigator.appVersion);
```

```
document.writeln("<br/>navigator.cookieEnabled: "+navigator.cookieEnabled);
```

```
document.writeln("<br/>navigator.language: "+navigator.language);
```

```
document.writeln("<br/>navigator.userAgent:"+navigator.userAgent);
```

```
document.writeln("<br/>navigator.platform:"+navigator.platform);
```

```
document.writeln("<br/>navigator.onLine:"+navigator.onLine);
</script>
</body>
</html>
```

JavaScript Navigator Object

```
navigator.appCodeName:Mozilla
navigator.appName:Netscape
navigator.appVersion:5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/117.0.0.0 Safari/537.36
navigator.cookieEnabled: true
navigator.language: en-US
navigator.userAgent:Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/117.0.0.0 Safari/537.36
navigator.platform:Win32
navigator.onLine:true
```

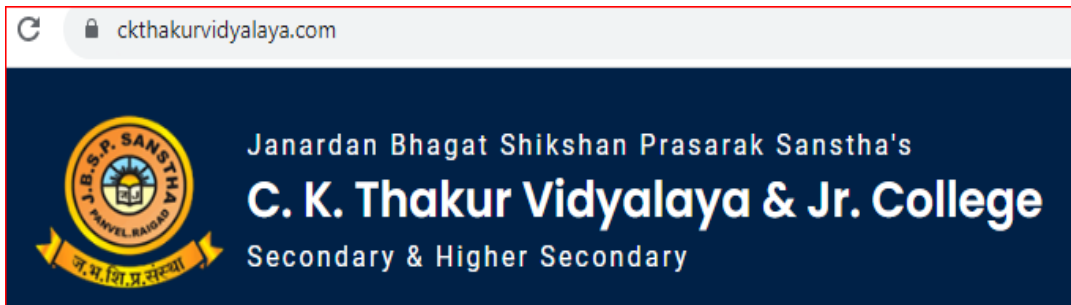
b3 History object :

```
<html>
<head>
<h2>history button</h2>
<script>
function goBack()
{
window.history.back();
}
</script>
</head>
<body>
<input type ="button" value="Back" onclick="goBack()">
</body>
</html>
```

history button

Back

After clicking the BACK button, it redirects to the previous visited page (it works as a back button on the browser window).



b4 Location (TO REPLACE) Object :

```
<HTML>
```

```
<body>
```

```
<input type="button" value="Replace URL" onclick="myFun()"/>
```

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

```
{
```

```
location.replace("https://www.hotstar.com/in")
```

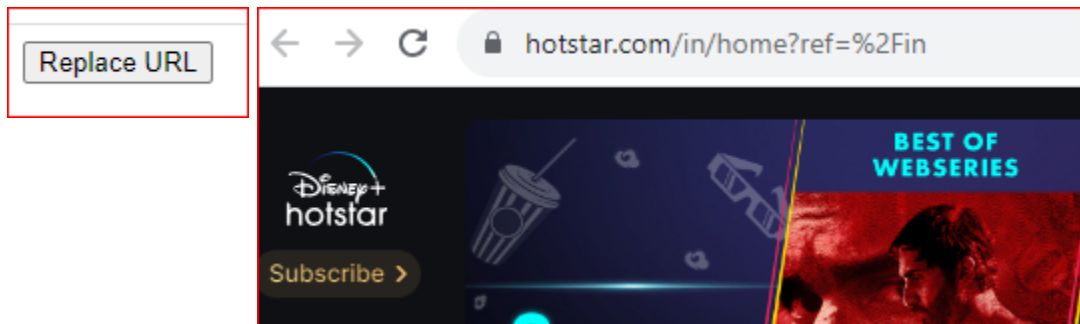
```
}
```

```
</script>
```

```
</body>
```

```
</HTML>
```

OUTPUT :

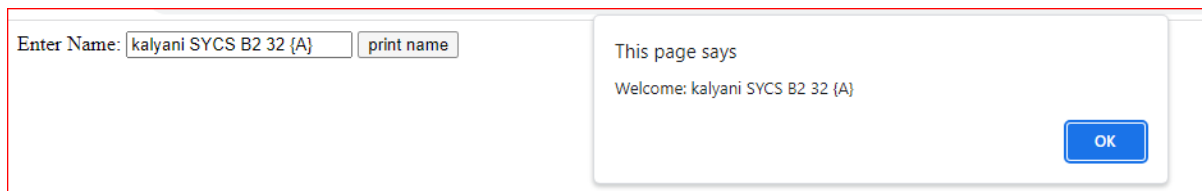


b5 Document object :

CODE:

```
<script type="text/javascript">
function printvalue()
{
var name=document.form1.name.value;
alert("Welcome: "+name);
}
</script>
<form name="form1">
Enter Name: <input type="text" name ="name"/>
<input type="button" onclick="printvalue()" value="print name"/>
</form>
```

OUTPUT :



Practical no: 8

Design Javascript program for storing and returning Cookies:

SYCS ROLL NO: 44

Storing cookies:

PROGRAM:

```
<html>
<head>
<script type="text/javascript">
function SetCookie()
{
v=document.frm.nm.value;
if(v=="")
{
alert("Please enter name");
return;
}
document.cookie="name="+v;
document.write("Setting Cookies:"+ "name="+v);
}
</script>
</head>
<body>
<form name="frm" action="">
Enter name:<input type="text" name="nm">
<input type="button" value="Set Cookie" onclick="SetCookie()"/>
</form>
</body>
</html>
```

OUTPUT:

Enter name:

Setting Cookies:name=komal

Retriving cookies:

PROGRAM:

```
<html>
<head>
<script type="text/javascript">
function ReadData()
{
var cookies=document.cookie;
document.write("Data of all Cookies:"+cookies);
arr=allcookies.split(';')
for(var i=0;i<arr.length;i++)
{
var name=arr[i].split('=')[0];
var value=arr[i].split('=')[1];
document.write("Setting Cookies:"+name+"and value is;" +value);
}
}
</script>
</head>
<body>
<form name="frm" action="">
<p>Click to get Cookie Data</p>
<input type="button" value="Get Cookie" onclick="ReadData()"/>
</form>
</body>
</html>
```

OUTPUT:

Click to get Cookie Data

Get Cookie

PRACTICAL NO: 09

AIM: Create a XML file with internal/external DTD and display it using

A)DTD B)XSL

PROGRAM:

Internal DTD

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<?xml-stylesheet type="text/xsl"?>
<!DOCTYPE book[
<!ELEMENT book (bname,author,price)>
<!ELEMENT bname (#PCDATA)>
<!ELEMENT author (#PCDATA)>
<!ELEMENT price (#PCDATA)>
]>
```

```
<book>
  <bname>Pranali Navale</bname>
  <author>TutorialsPoint</author>
  <price>(011) 123-4567</price>
</book>
```

OUTPUT:

Pranali Navale TutorialsPoint (011) 123-4567

External DTD

address.dtd:

```
<!ELEMENT address (name,company,phone)>
```

```
<!ELEMENT name (#PCDATA)>
```

```
<!ELEMENT company (#PCDATA)>
```

```
<!ELEMENT phone (#PCDATA)>
```

address.xml:

```
<?xml version = "1.0" encoding = "UTF-8" standalone = "no" ?>
```

```
<?xml-stylesheet type="text/xsl"?>
```

```
<!DOCTYPE address SYSTEM "address.dtd">
```

```
<address>
```

```
  <name>Tanmay Patil</name>
```

```
  <company>TutorialsPoint</company>
```

```
  <phone>(011) 123-4567</phone>
```

```
</address>
```

OUTPUT:

PRACTICAL NO: 10

AIM: Design a web page to handle asynchronous request using AJAX.

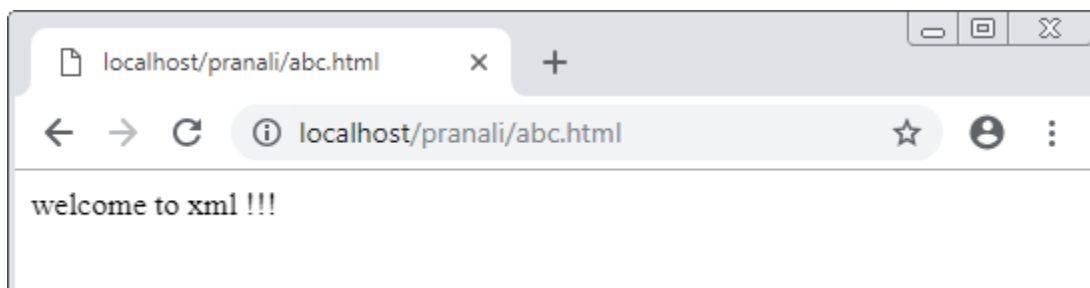
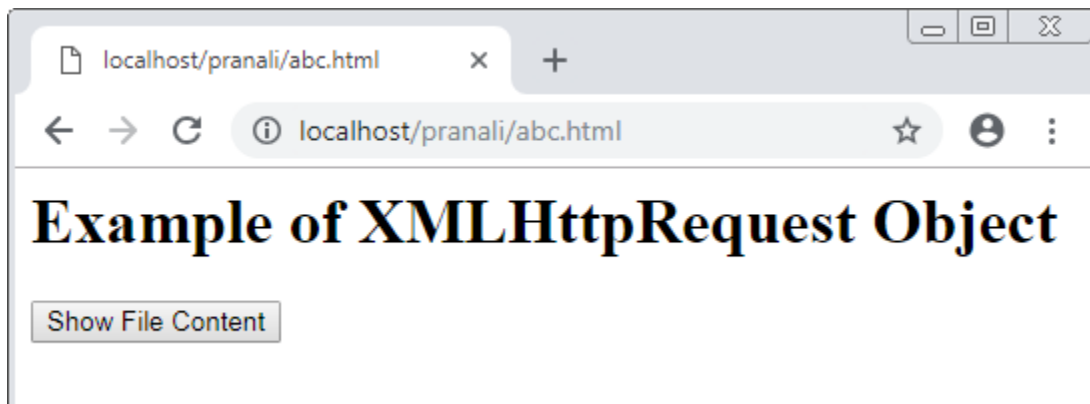
7.1) On onclick event

PROGRAM:

```
<HTML>
<body>
<h1> Example of XMLHttpRequest Object</h1>
<button type="button" onclick="Showdoc()"> Show File Content </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","MyFile.txt",true);
```

```
xhttp.send();  
}  
</script>  
</body>  
</HTML>
```

OUTPUT:



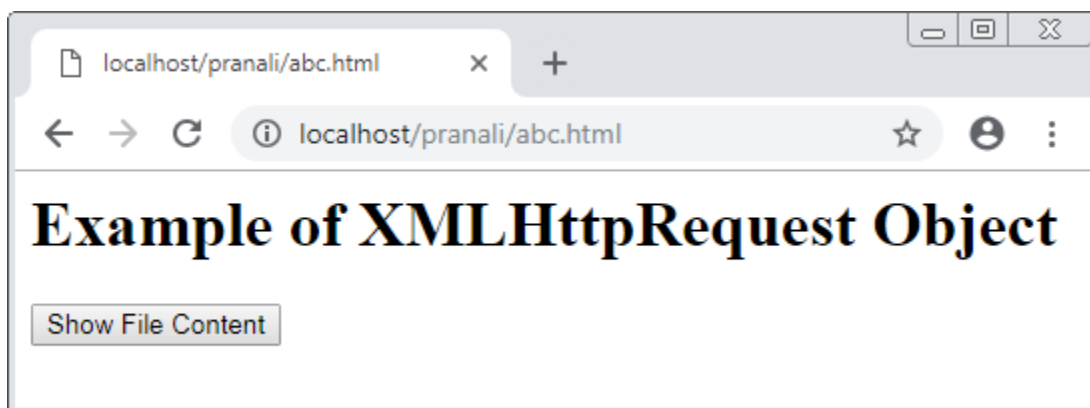
7.2) On mouseover event.

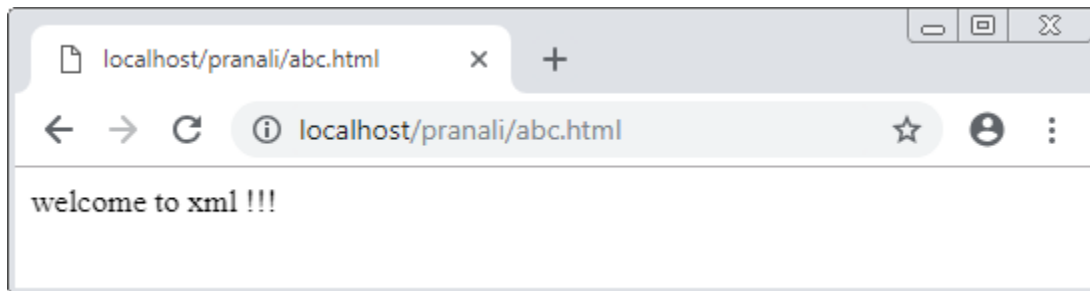
PROGRAM:

<HTML>

```
<body>
<h1> Example of XMLHttpRequest Object</h1>
<button type="button" onmouseover="Showdoc()"> Show File Content </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","MyFile.txt",true);
xhttp.send();
}
</script>
</body>
</HTML>
```

OUTPUT:





PRACTICAL NO: 11

AIM: Write PHP script for

- a) Retrieving data from HTML forms
- b) Performing certain mathematical operations such as calculating factorial / finding Fibonacci series / displaying given number is prime or not/ evaluating expressions / calculating reverse of a number.
- c) Working with arrays.
- d) Working with files.(reading / writing).

a)

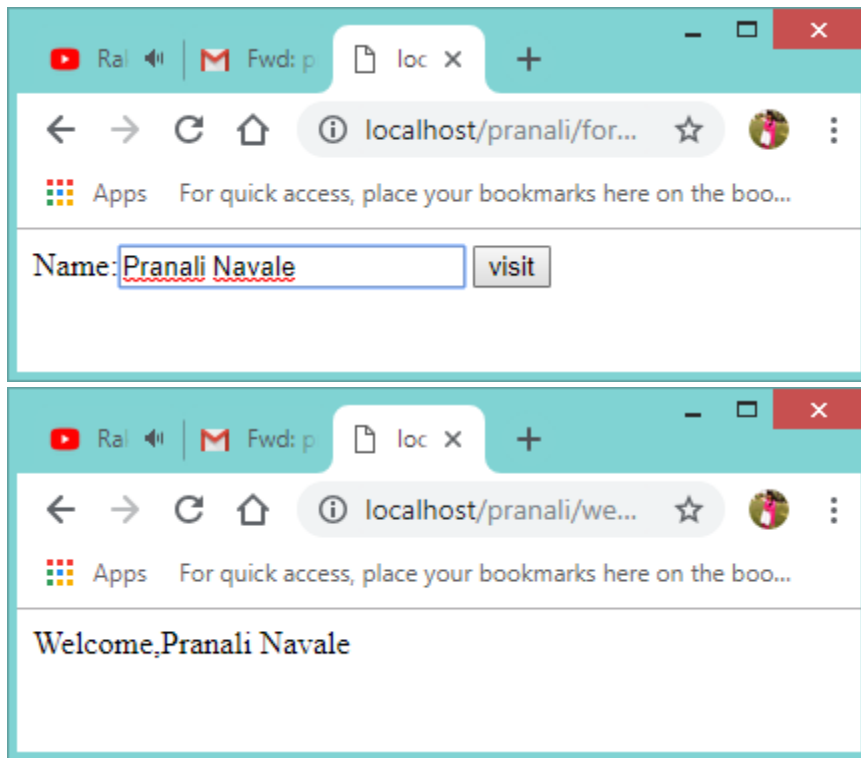
1)form.html

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

2)welcome.php

```
<?php  
$name=$_GET["name");//receiving name field value in $name variable  
echo "Welcome,$name";  
?>
```

OUTPUT:

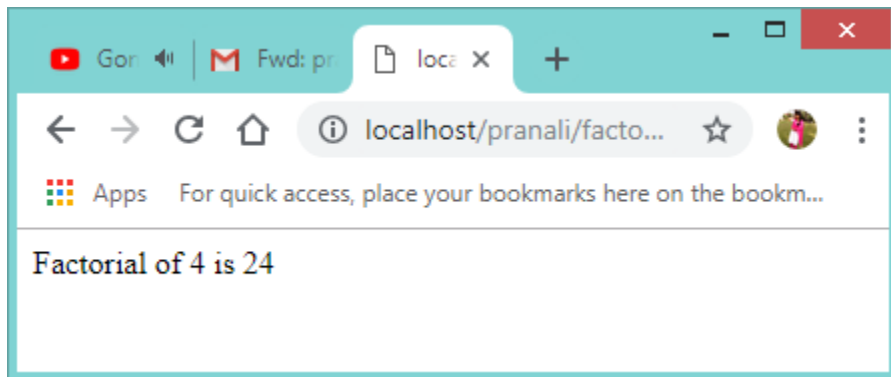


b)

1)factorial.php

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

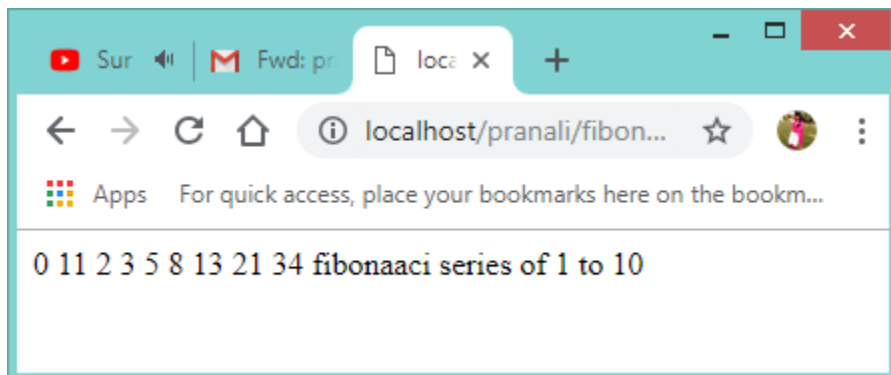
OUTPUT:



2)fibonacci.php

```
<?php
$n=10;
$a=0;
$b=1;
echo "$a $b";//01
for($i=3; $i<=$n; $i++)
{
echo $c=$a+$b;
echo " ";
$a=$b;
$b=$c;
}
echo "fibonaaci series of 1 to 10 "
?>
```

OUTPUT:



3)prime.php

```
<?php

function check_prime($num)
{
    if ($num == 1)
        return 0;
    for ($i = 2; $i <= $num/2; $i++)
    {
        if ($num % $i == 0)
            return 0;
    }
    return 1;
}

$num = 47;
$flag_val = check_prime($num);
if ($flag_val == 1)
    echo $num." is a prime number";
else
    echo $num." It is a non-prime number"
?>
```

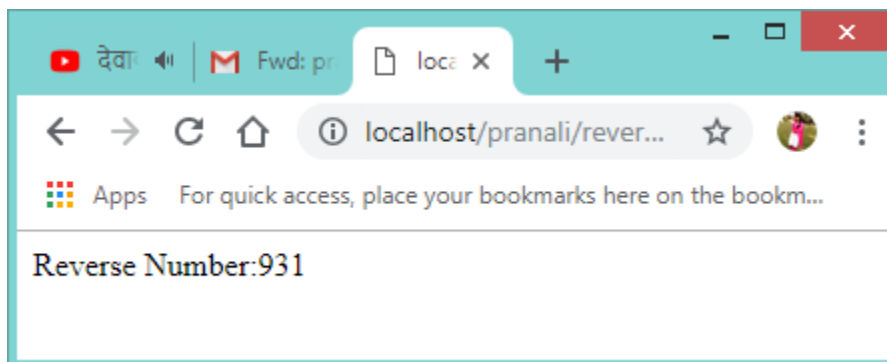
OUTPUT:

```
47 is a prime number
```

4) reversenumber.php

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

OUTPUT:



Practical no.12

Design PHP Script for:

a. Working with array

array.php:

```
<!DOCTYPE html>
<html>
<body>
<font size=5>
<?php
```

```
$students = array("Rohit","Radhika","Shreyas");  
echo "The students are ".$students[0].",".$students[1].",".$students[2];  
?>  
</body>  
</html>
```

OUTPUT:

The students are Rohit,Radhika,Shreyas

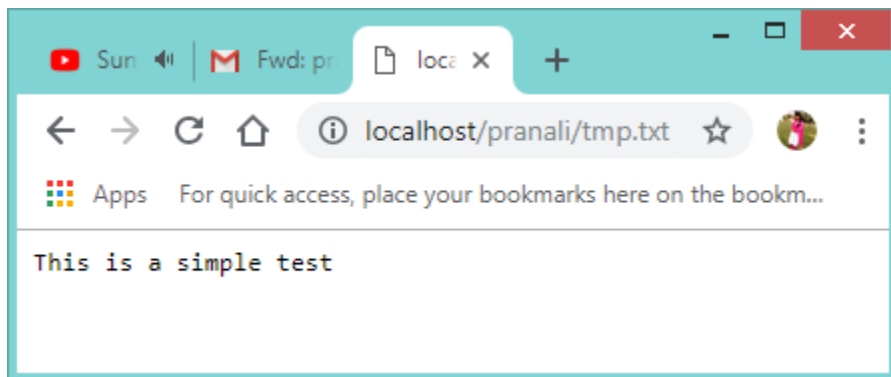
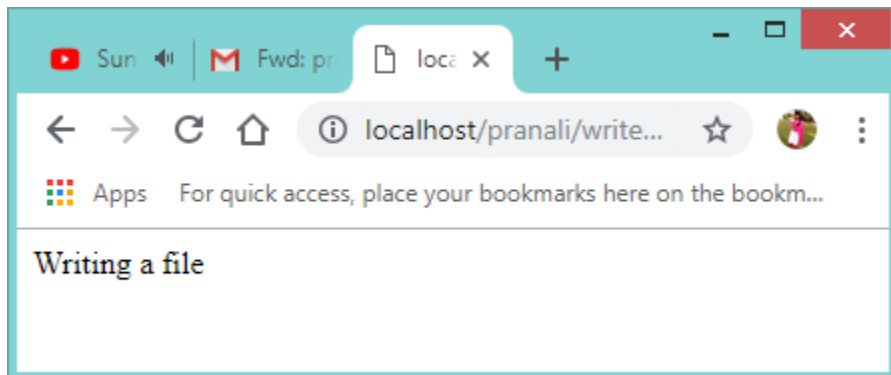
b)Working with files(reading/writing)

1)file writing:

write.php:

```
<?php  
echo "Writing a file";  
$filename = "tmp.txt";  
$file=fopen( $filename,"w" );  
if($file==false)  
{  
    echo "Error in opening new file";  
  
}  
fwrite( $file,"This is a simple test\n" );  
fclose( $file );  
?>
```

OUTPUT:



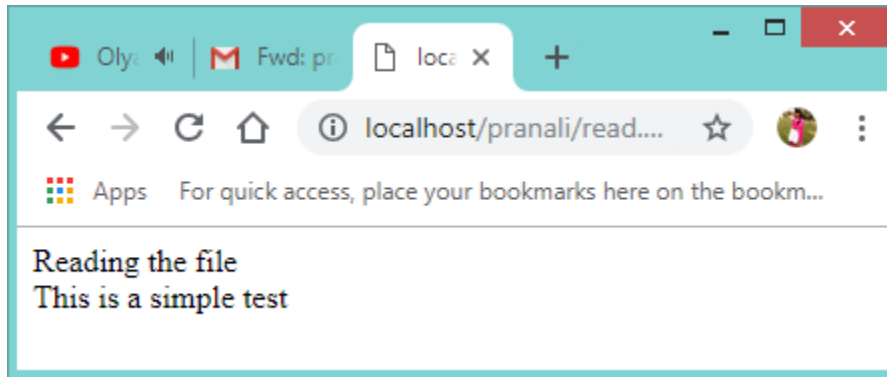
2)file reading:

read.php

```
<?php
echo "Reading the file";
$filename="tmp.txt";
$file=fopen($filename,"r");
if($file==false)
{
echo "error";
exit();
}
$filesize=filesize($filename);
$filetext=fread($file,$filesize);

echo $text, "<br>";
fclose($file);
echo "$filetext";
?>
```

OUTPUT:



PRACTICAL NO: 13

Write a PHP program to create a database named “college” .Create a table named “student “ with following fields(sno, sname, percentage). Insert 3 records of your choice. Display the name of the students whose percentage is between 35 to 75 in a tabular format.

PROGRAM:

```
<html>

<head>

<h1>Database PHP</h1>

<head>

<body>

<?php

$con=mysql_connect('localhost','root','');

if(!$con)

{

die('Could not connect:'.mysql_error());

}
```

```

$sql="CREATE DATABASE Emp_record";

$result=mysql_query($sql,$con);
if(!$result)
{
    echo "Error creating database:".mysql_error();
}
else
{
    echo "Database EMP_record created successfully";
    echo "<br/>";
}
mysql_select_db("Emp_record",$con);
$sql="CREATE TABLE student(Sno INT(6) AUTO_INCREMENT PRIMARY KEY,
sname varchar(30) NOT NULL,percentage int(6))";
$result=mysql_query($sql,$con);
if(!$result)
{
    echo "Error creating table:".mysql_error();
}
else
{
    echo "Table student created successfully";
    echo "<br/>";
}
mysql_select_db("Emp_record",$con);
$sql="insert into student values(1,'Sumit',56),(2,'Sneha',78),(3,'Amit',78)";

```

```

$result=mysql_query($sql);
if(!$result)
{
echo "Error inserting table:".mysql_error();
}
else
{
echo "3 rows inserted";
echo "<br/>";
}
mysql_select_db("Emp_record",$con);
$sql="SELECT Sno,sname,percentage from student";
$result=mysql_query($sql);
echo "<table border='1'>
<tr>
<th>Sr no.</th>
<th>Name</th>
<th>Percentage</th>
</tr>";
while($row=mysql_fetch_array($result))
{
echo "<tr>";
echo "<td>".$row['Sno'].</td>";
echo "<td>".$row['sname'].</td>";
echo "<td>".$row['percentage'].</td>";
echo "</tr>";
}

```



```

echo "</table>";
echo "<h3>Table Data Percentage Between 35 to 75</h3>";
$sql="SELECT Sno,sname,percentage FROM student WHERE percentage BETWEEN 35 AND 75";
$result=mysql_query($sql);
echo "<table border='1'>
<tr>
<th>Sr no.</th>
<th>Name</th>
<th>Percentage</th>
</tr>";
while($row=mysql_fetch_array($result))
{
echo "<tr>";
echo "<td>".$row['Sno']. "</td>";
echo "<td>".$row['sname']. "</td>";
echo "<td>".$row['percentage']. "</td>";
echo "</tr>";
}
mysql_close($con);
?>
</body>
</html>

```

Database PHP

Database EMP_record created successfully

Table student created successfully

3 rows inserted

Sr no.	Name	Percentage
1	Sumit	56
2	Sneha	78
3	Amit	78

Table Data Percentage Between 35 to 75

Sr no.	Name	Percentage
1	Sumit	56

Practical No:14

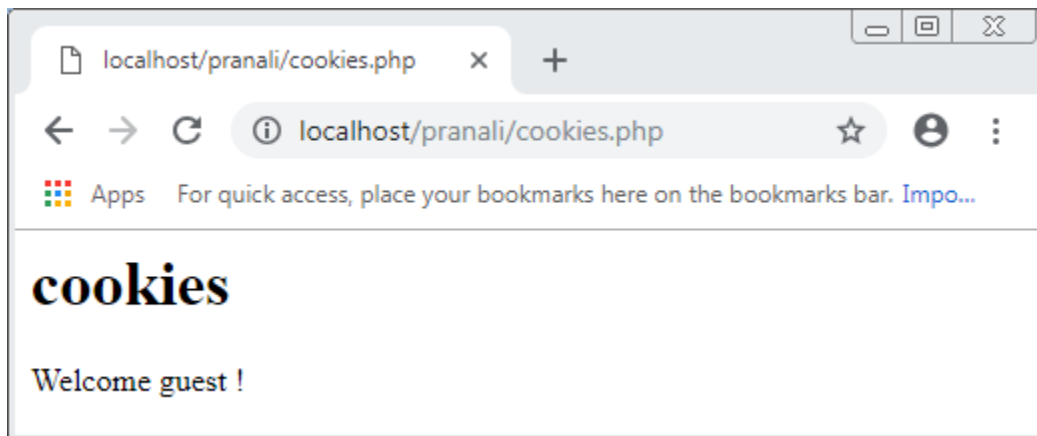
Design PHP Scripts for

a. storing & retrieving Cookies

9.2) Program displaying cookies.

PROGRAM:

```
<HTML>
<head>
<h1>cookies</h1>
</head>
<body>
<?php
$expire =time()+3600;
setcookie("user","Harry potter",$expire);
if(isset($_COOKIE["USER"]))
    echo "Welcome".$_COOKIE["user"]."!<br>";
else
    echo "Welcome guest ! <br>";
?>
</body>
</HTML>
```

OUTPUT:**b. storing & retrieving sessions****PROGRAM:**

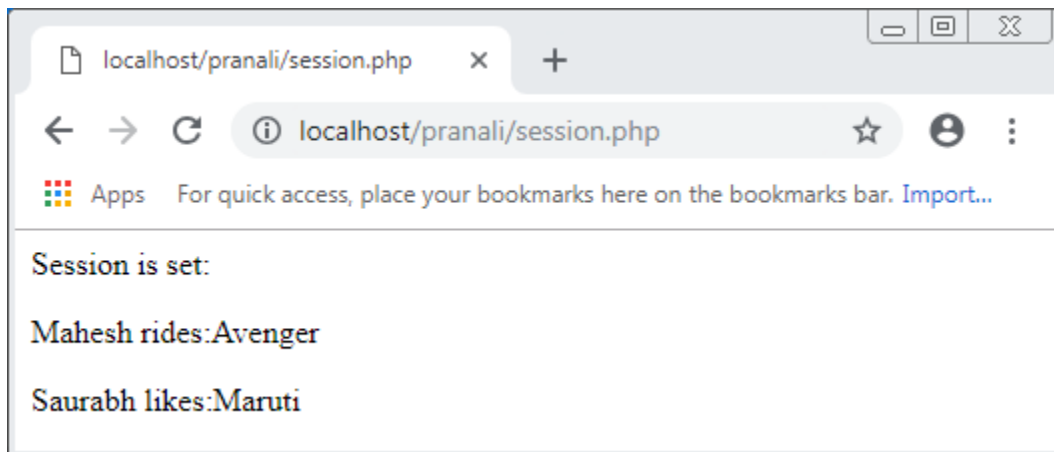
```
<?php
```

```

session_start();
?>
<!DOCTYPE HTML>
<HTML>
<body>
<?php
//set sessions variables
$_SESSION["favbike"]="Avenger";
$_SESSION["favcar"]="Maruti";
echo "Session is set: ";
echo "<p>Mahesh rides: ".$_SESSION["favbike"]."</p>";
echo "<p>Saurabh likes: ".$_SESSION["favcar"]."</p>";
?>
</body>
</HTML>

```

OUTPUT:



PRACTICAL NO: 15

AIM: Design a Web Page with some jQuery Animation Effects.

```

<!doctype html>
<html>
<head>
<title>The jQuery Example</title>
<script src="https://www.tutorialspoint.com/jquery/jquery-3.6.0.js"></script>

```

```

<script>
$(document).ready(function() {
    $("#show").click(function(){
        $("#box").show(1000);
    });
    $("#hide").click(function(){
        $("#box").hide(5000);
    });
});
</script>
<style>
button{cursor:pointer;}
#box{margin-bottom:5px;padding:12px;height:100px; width:125px; background-
color:#9c9cff;}
</style>
</head>
<body>
    <p>Click on Show and Hide buttons to see the result:</p>

    <div id="box">This is Box</div>
    <button id="hide">Hide Box</button>
    <button id="show">Show Box</button>
</body>
</html>

```

OUTPUT:

Click on Show and Hide buttons to see the result:

This is Box

Hide Box

Show Box