

Practical 1

Aim: Design a web page.

1. a) Document Structure Tags

```
<!DOCTYPE HTML>
```

```
</html>
```

```
<head> <title> Document Structure </title>
```

```
</head>
```

```
<body bgcolor = black text = white>
```

```
<center>
```

```
<h1> Myself </h1>
```

```
<p> My Name is Vipul <br>
```

```
I am 18 years old <br>
```

```
</p>
```

```
</center>
```

```
</body>
```

```
</html>
```

O/P:

...Myself...

My name is Vipul

I am 18 years old.

1b) Various Formatting Tags.

```
<!DOCTYPE HTML>
```

```
<html>
```

```
<head> <title> Various Formatting </title>
</head>
```

```
<body bgcolor = black white text = white black>
</center>
```

```
<h2> List of Formatting Tags </h2> <br>
```

```
<b> Bold Tag </b> <br>
```

```
<i> Italic Tag </i> <br>
```

```
<u> underline </u> <br>
```

```
<s> strike </s> <br>
```

```
<mark> highlight </mark> <br>
```

```
<p> a <sup> 2 </sup> </p>
```

```
<p> H <sub> 2 </sub> O </p>
```

```
<big> Big </big> <br>
```

```
<small> Small </small> <br>
```

```
</center>
```

```
</body>
```

```
</html>
```

OIP:

LIST of Formatting Tags.

Bold

italic

underline

~~Strike~~

highlight

a^2

H_2O

Big

small.

1c) List Tags

```
<!DOCTYPE html>
<html>
<head> <title> List Tags </title> </head>
<body bgcolor= black text= white >
<h1> List Tags </h1>
<ol type= A>
<p> CITIES IN MAHARASHTRA </p>
<li> Mumbai </li>
<li> Nashik </li>
<li> Pune </li>
</ol>
<hr color= gold >
<ul>
<li> Marine Drive </li>
<li> Colaba </li>
<li> Lonavala </li>
</ul>
</body>
</html>
```

Q/P:

List tags.

Cities in Maharashtra.

A. Mumbai

B. Nashik

C. Pune

• Marine Drive

• Gorai

• Lonavala

1D) Image Mapping

```
<!DOCTYPE html>
```

```
<html>
```

```
<head> <title> Image Mapping </title>
```

```
<body>
```

```
<img src = "c:\Users\Pictures\Screenshots  
Screenshot 2023-10-4 124247.png" height=700px  
width=600px usemap=#abc >
```

```
<map name = abc >
```

```
<area shape = "rect" title = "google"
```

```
href = "https://www.google.com/" coords = "293  
97, 346, 254" >
```

```
<area shape = "circle" title = "youtube"
```

```
href = "https://in.youtube.com/" coords = "832,  
834, 98" title = "youtube" >
```

```
</map>
```

```
</body>
```

```
</html>
```


Practical 2

Aim: Design a web page using

2 a) Table tag.

```
<!doctype html>
```

```
<html>
```

```
<head><title> A) Table Tag </title></head>
```

```
<body bgcolor = black text = white>
```

```
<table border = 3 bgcolor = grey cellpadding = 3  
cellpadding = 5>
```

```
<tr><th colspan = 2> Marksheet </th></tr>
```

```
<tr><th> Name </th><th> Marks </th></tr>
```

```
<tr><td> ABC </td> 50 </tr>
```

```
<tr><td> PQR </td><td> 40 </td></tr>
```

```
<tr><td> PQR MNO </td><td> 80 </td></tr>
```

```
<tr><td> XYZ </td><td> 100 </td></tr>
```

```
</table>
```

```
</body>
```

```
</html>
```


O/P:

Marksheet	
Name	Marks
ABC	50
PQR	40
MNO	80
XYZ	100

2b) Form Tags.

<!DOCTYPE html>.

<html>

<head> <title> B) Form Tags </title> </head>

<body bgcolor = black text = white>

<center>

<h1> Fill your Basic Details </h1>

<form action = " " method = "get">

Name: <input type = text>

Address: <textarea rows = 3 cols = 20>

Contact: <input type = number>

Email: <input type = email>

Gender: <input type = radio name = abc>

<input type = radio name = abc>

Subject: <input type = checkbox> W.T.

<input type = checkbox> I.A.

<input type = checkbox> A.D.C.

<input type = Submit value = Submit>

<input type = reset value = clear>

</center>

</body>

</html>

O/P:

Fill your Basic Details

Name:

Address:

Contact:

Email:

Gender: ☒ Male ☐ Female

Subject: ☒ WT ☐ LA ☐ ADC

2c) Navigation of Multiple web pages

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title> Navigation </title></head>
```

```
<body bgcolor = black text = white>
```

```
<center>
```

```
<h2> Navigation to web page </h2>
```

```
<a href = "table.html"> click to see  
table <a><br>
```

```
<a href = "form.html"> click to fill basic  
Details <a><br>
```

```
<a href = "google.com"> Open Google <a>  
<br>
```

```
</center>
```

```
</body>
```

```
</html>
```

OIP:

Navigation

Click to see table

Click to fill basic details

Open Google

20) Embedded Multimedia Elements.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head> <title> Embedded elements </title>
```

```
</head>
```

```
<body bgcolor = white text = black>
```

```
<center>
```

```
<h1> Inserting audio </h1>
```

```
<audio controls logo>
```

```
<source src = "C:\Users\Admin\Download  
Sample-3.mp3">
```

```
</audio>
```

```
<br> <br>
```

```
<h1> Inserting audio video </h1>
```

```
<video controls loop height = 400  
width = 500>
```

```
<source src = "c:\Users\Admin\Down-  
loads\Sample.mp4">
```

```
</video>
```

```
</center>
```

```
</body>
```

```
</html>
```


Practical 3.

Aim: Design a web page that make use of Cascading Style Sheet.

3.a) CSS properties to change the back-ground of page.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title> change background color  
of page </title> </head>
```

```
</style>
```

```
body {
```

```
background-color: black;
```

```
color: white;
```

```
}
```

```
</style>
```

```
</body>
```

```
</body>
```

```
</html>
```

3b) Change font and text style using CSS

```
<!DOCTYPE html>
<html>
<head> <title> Change font style </title>
</head>
<style>
body {
  color: black;
  text-align: center;
}
h1 {
  font-family: jokerman;
  text-align: center;
}
h2 {
  text-style: oblique;
  color: black;
  font-family: bradley hand etc;
}
</style>
<body>
<h1> Halloween </h1>
<h2> Welcome to this page </h2>
</body>
</html>
```

OIP:

Halloween

welcome to this page

3c) Positioning an element.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title> Positioning </title></head>
```

```
<style>
```

```
body {
```

```
color: white black;
```

```
h1 {
```

```
font-family: bradley hand etc;
```

```
position: fixed;
```

```
left: 50% ;
```

```
}
```

```
// style>
```

```
</head>
```

```
<body>
```

```
<h1> Positioning element </h1>
```

```
</body>
```

```
</html>
```

o/p :

Positioning an element

Practical 4.

Aim: Write Javascript code for

a1) Calculating Factorial

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title> 4.1) Factorial of numbers </title>
```

```
</head>
```

```
<body>
```

```
<script>
```

```
var i, n, f=1;
```

```
n = prompt("Enter number");
```

```
for (i=1; i<=n; i++)
```

```
{
```

```
    f = f * i;
```

```
}
```

```
document.write("The factorial is "+f);
```

```
</script>
```

```
</body>
```

```
</html>
```


4

a2)

Finding Fibonacci Series

<!doctype html>

<html>

<head><title> Fibonacci Series </title>

</head>

<body>

<h1> Fibonacci Series </h1>

<script>

var a=0, b=1; c;

var n=prompt("Enter the number");

document.write(a+"
");

document.write(b+"
");

for (var i=3; i<=n; i++)
{

c = a + b;

a = b;

b = c;

document.write(c+"
");

}

</script>

</body>

</html>

4
a)
3

Evaluating expressions

```
<!DOCTYPE html>
<html>
<head><title>Evaluating Expr</title>
</head>
<body>
<center>
<script>
var x=5;
var y=10;
var a = eval("x+y");
document.write("Ans is " + a + "<br>");
var b = eval("x*10");
document.write("Ans is " + b + "<br>");
var c = eval("5*5");
document.write("Ans is " + c + "<br>");
</script>
</body>
</html>
```

4
b1) Number validation.

```
<!DOCTYPE html>
<html>
<head><title> Number Validation </title>
</head>
<body>
<center>
<script>
  var n = prompt("Enter a number");
  if (isNaN(n))
  {
    document.write("Enter number only");
  }
  else
  {
    document.write("It is number");
  }
</script>
</center>
</body>
</html>
```


4

b2) Password Validation.

<!DOCTYPE html>

</html>

<head><title> Password Validation </title>

</head>

<body>

<form>

Enter password <input type = password
name = f1>

Re - Enter password <input type = text
name = f2>

<input type = button value = MATCH
onclick = f()>

</form>

<script>

{ function f()

var a = document . abc . f1 . value;

var b = document . abc . f2 . value;

if (a == b)
{

document . write (" Password is correct ")

else
{document . write (" Not matching ");
}

}

}

</script>

</body>

</html>

4
b3
3

Validation of Username & password

<!DOCTYPE html>

<html>

<head><title> Username </title></head>

<body>

<form name = abc >

Username <input type = text name = f1>

Password <input type = password name = f2>

<input type = button value = Submit onclick = f()>

</form>

<script>

{function f()

var name = document.^{abc}~~write~~ f1.value;

var pass = document.abc.f2.value;

if (name = "")

{

document.write("Username cannot be blank")

{

else if (pass.length < 7 & pass.length > 14

document.write("Enter password between

else

1 to 14");

{

document.write("correct");

{

</script>

</body>

</html>

Practical 5

DATE:

Aim: Write Javascript code for

- a) Demonstrating different Javascript Objects such as String, Math, Date.

```
<!DOCTYPE html>  
<html>
```

```
<head><HHe> String Demonstration  
</title></head>
```

```
<body>
```

```
<script>
```

```
var str1 = "Hey diddle, the cat and  
the fiddle, The cow jumped over moon";
```

```
var str2 = "The little dog laughed to  
var str2 = see fun, and dish ran away";
```

```
document.write(str1 + "<br>" + str2 +  
" <br> ");
```

```
var sln = str1.length;
```

```
document.write("<br>" + "length is " + sln)
```

```
var x = 'It\'s alright';
```

```
var y = "we are so called |'Vikings'| from  
the north";
```

```
document.write("<br>" + x + "<br>");
```

```
document.write("<br>" + y + "<br>");
```

```
</script>
```

```
</body>
```

```
</html>
```


O/P:

Hey diddle, the cat and the fiddle, the
cow jumped over the moon
The little dog laughed to see such fun, And
the dish ran away with spoon!

length of string is 64

It's alright

we are the so called "Vikings" from north.

5b) ~~4~~ Doc Math demo.

```
<!DOCTYPE html>
```

```
<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)
```

```
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>
```

OIP:

javascript math demo.

PI = 3.14159265358973
random number = 50
rounding = 6.

pow = 1000

Square root = 8

absolute = 67.7

ceil = 7

floor = 4

sin = 1

cos = 1

finding max = 150

finding min = 200.

Practical 6.

Aim: Write php script for.

6 a) Retrieving data from HTML form

```
<!DOCTYPE html>
<html>
<head><title> Retrieving data </title></head>
<body>
<h1> Retrieving data from html </h1>
<form method="get">
  Name: <input type="text" name="name">
  <input type="submit" value="Submit">
</form>
</body>
<?php>
  $name = $_GET["name"];
  echo "welcome". $name;
  ?>
</html>
```

6b) Finding factorial in php.

```
<?php
```

```
$n = 5;
```

```
$f = 1;
```

```
{for($x = 1; $x <= $n; $x++)
```

```
{ $f = $f * $x;
```

```
echo "<br>factorial is ".$f;  
??
```

6c) Finding Fibonacci Series

```
<?php
```

```
$n = 10;
```

```
$a = 0;
```

```
$b = 1;
```

```
echo "Fibonacci Series : $a, $b";
```

```
for($i = 2; $i < $n; $i++){
```

```
    $c = $a + $b;
```

```
    echo " , $c";
```

```
    $a = $b;
```

```
    $b = $c;
```

```
}
```

```
??
```

6b
OIP:

Factorial of 5 is : 120

6c
OIP:

Fibonacci Series : 0 1 2 3 5 8 13 21 34

6 d) Finding prime numbers in php.

<? php

```
$n = 100;
```

```
for($i=2; $i<=$n; $i++)
```

```
{  
    for($j=2; $j<$i; $j++)
```

```
{  
    if($i%$j == 0)
```

```
{  
        break;
```

```
    }
```

```
}
```

```
if($i==$j)
```

```
{
```

```
    echo "<br>". $i;
```

```
}
```

```
}
```

```
?>
```

01P;

2

3

5

7

11

13

17

19

23

29

31

37

41

43

47

53

59

61

67

71

73

79

83

~~88~~ 89

97

6e) Working with arrays.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head><title>Working with array</title>
```

```
</head>
```

```
<body>
```

```
<h1>Working with array</h1>
```

```
</body>
```

```
<?php
```

```
$color = array("red", "green", "blue");  
echo "my favourite color is ".$color[0];  
?>
```

```
</html>
```


OIP:

Working with arrays
my favourite color is red: