Practical No:-1 Write simple javascript with html for arithmetic expression evaluation and message printing.

```html
<html>

<head>

<title>Arithmetic operations</title>

<Script langauge="javascript" type="text/javascript">

var a=5,b=10;

document.write("Addition ="+(a+b));

document.write("<br>");

document.write("Subtraction ="+(a-b));

document.write("<br>");

document.write("Multiplication ="+(a*b));

document.write("<br>");

document.write("Divition ="+(a/b));

document.write("<br>");

document.write("Module Result ="+(a%b));

</Script>

</head>

</html>
```
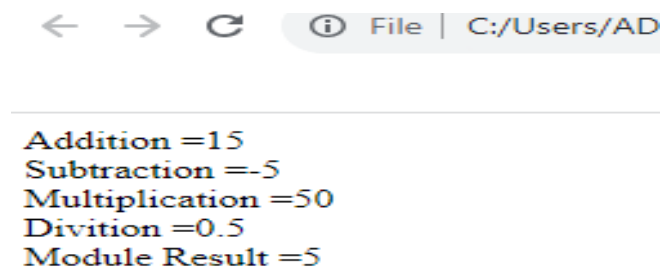
Output:-


```
Addition =15
Subtraction =-5
Multiplication =50
Divition =0.5
Module Result =5
```

Practical No:-2 Develop javascript to use decision making and looping statement.

Decision Making:-

1.IF-ELSE

```
<html>

<head>

<title>if else</title>

<Script langauge="javascript" type="text/javascript">

var age=19;

if(age>18)

{

document.write("You Are an adult");

}

else

{

document.write("You Are an not adult");

}

</Script>

</head>

</html>
```

Output:-

You Are an adult

2.IF-ELSE-IF

```html
<html>
<head>
<title>if else if</title>
<Script langauge="javascript" type="text/javascript">
var one=10,two=20;
if(one==two)
{
document.write(one+"is equal to"+two);
}
else if(one<two)
{
document.write(one+"is less than"+two);
}
else
{
document.write(one+"is greater than"+two);
}
</Script>
</head>
</html>
```

Output:-

10is less than20

Looping Statement:-

1.For loop

```html
<html>

<title>For Loop</title>

<Script langauge="javascript" type="text/javascript">

var i;

for(i=1;i<=20;i++)

{

document.write(i+"<br>");

}

</Script>

</html>
```

Output:-

← → C ⓘ File | C:/Users

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

2.While Loop:-

```html
<head>

<title>Ternary Operator</title>

<Script langauge="javascript" type="text/javascript">

var i=1;

while(i<=10)

{

document.write(i+"<br>");

i++;

}

</Script>

</head>

</html>
```

Output:-

_____

```
1
2
3
4
5
6
7
8
9
10
```

Practical No:-3 Develop javascript to implement Array Functionalities.

```html
<html>

<head>

<title> Array</title><center>

<h3>CSS PRACTICAL NO.3</h3>

<h2>Array Functionalities.</h2></center>

<br> <br>

<script language="javascript" type="text/javascript">

var arr=new Array();

function pushItemEnd()

{

 var a=prompt("Enter the element at the end of the array");

 arr.push(a);

 document.getElementById("display").innerHTML=arr;

}

function popItemEnd()

{

 arr.pop();

 document.getElementById("display").innerHTML=arr;

}

function revItem()

{

 arr.reverse();

 document.getElementById("display").innerHTML=arr;

}
```

```
function pushItemStart()

{

 var a=prompt("Enter the element at the begining of the array");

 arr.unshift(a);

 document.getElementById("display").innerHTML=arr;

}

function popItemStart()

{

 arr.shift();

 document.getElementById("display").innerHTML=arr;

}

</script>

<body>

<center>

<button onclick="pushItemEnd()">push Item(At End)</button>

<button onclick="popItemEnd()">pop Item(From End)</button>

<button onclick="revItem()">reverse Item</button>

<button onclick="pushItemStart()">push Item(At Begining)</button>

<button onclick="popItemStart()">pop Item(From Begining)</button>

<h3 Id="display"></h3>

</center>

</body>

</html>
```

Output:-

CSS PRACTICAL NO.3

Array Functionalities.

push Item(At End) | pop Item(From End) | reverse Item | push Item(At Begining) | pop Item(From Begining)

- Click on push Item(At End) Button : add the element at the end.

CSS PRACTICAL NO.3

Array Functionalities.

push Item(At End) | pop Item(From End) | reverse Item | push Item(At Begining) | pop Item(From Begining)

,s,a,k,s,h,i

- Click on pop Item(From End) Button : remove the element at the end.

CSS PRACTICAL NO.3

Array Functionalities.

push Item(At End) | pop Item(From End) | reverse Item | push Item(At Begining) | pop Item(From Begining)

,s,a,k

- Click on reverse Item Button : reverse the element.

CSS PRACTICAL NO.3

Array Functionalities.

| push Item(At End) | pop Item(From End) | reverse Item | push Item(At Begining) | pop Item(From Begining) |

k,a,s,

- Click on push Item(At Beginning) Button : add the element at the Beginning.

CSS PRACTICAL NO.3

Array Functionalities.

| push Item(At End) | pop Item(From End) | reverse Item | push Item(At Begining) | pop Item(From Begining) |

q,k,a,s,k,a,s,

- Click on pop Item(From Beginning) Button : remove the element at the Beginning.

CSS PRACTICAL NO.3

Array Functionalities.

| push Item(At End) | pop Item(From End) | reverse Item | push Item(At Begining) | pop Item(From Begining) |

s,a

Practical No:-4 Develop JavaScript To Implement Funcion.

```html
<html>

<head>

<center>

<title>string function</title>

<Script>

function toUpper()

{

var text=document.getElementById('str').innerHTML

document.getElementById('str').innerHTML=text.toUpperCase()

}

function toLower()

{

var text=document.getElementById('str').innerHTML

document.getElementById('str').innerHTML=text.toLowerCase()

}

</Script>

</head>

<body>

<h3 id="str">To function Operations.</h3>

<input type="button" value="UPPER" onclick="toUpper()">

<input type="button" value="lower" onclick="toLower()">

</center>

</body>

</html>
```

Output:-

...html

To function Operations.

UPPER | lower

TO FUNCTION OPERATIONS.   **to function operations.**

UPPER | lower   UPPER | lower