

Q.1 A program to find the sum of an array.

```
<html>
<script>
var no= [40, 100, 1, 5, 25, 10];
var sum=0;
for(i=0;i<no.length;i++)
sum=sum+no[i];
document.write("the sum is "+sum);
</script>
</html>
```

Q.2. A program to find the reverse of a string.

```
<HTML>
<SCRIPT>
    var newString = "";
    var theString = "This is a test";
    var counter = theString.length;

    for (counter ;counter > 0 ;counter -- )
        {
            newString += theString.substring(counter-1, counter);
        }
    document.write(theString + " reversed is " + newString + "!");
</SCRIPT>
</HTML>
```

Q.3. A program to check whether a number is even or odd.

```
<html>
<script>
var n=parseInt(prompt("Enter a number ",""));
if(n%2==0)
document.write(n+" is an Even Number ");
else
document.write(n+" is an Odd Number ");
</script>
</html>
```

Q.4. A program to find the sum of even Number.

```
<html>
<script>
var sum=0;
var I;
for(i=1;i<100;i++)
{
    if(i%2==0)
```

```

    {
    sum=sum+i;
    }
}
document.write("The sum of all even numbers between 1 and 100 is =" +sum);
</script>
</html>

```

Q.5 A program to find the sum of an array.

```

<html>
<script>
var no= [40, 100, 1, 5, 25];
var sum=0;
for(i=0;i<no.length;i++)
sum=sum+no[i];
document.write("the sum is "+sum);
</script>
</html>

```

Q.6 Addition of two matrix.

```

<html>
<script>
var a=[[2,8],[3,1]] ;
var b=[[3,4],[4,5]] ;
var c=[[],[]];
var j=0,i=0;
document.write("First Matrix"+"<br>");
    for(i = 0; i < 2; i++)
    {
        document.write("<br>");
        for(j = 0; j < 2; j++)
            {
                document.write(a[i][j]+" ");
            }
    }
document.write("<br>"+"Second Matrix"+"<br>");
    for( i = 0; i < 2; i++)
    {
        document.write("<br>");
        for( j = 0; j < 2; j++)
            {
                document.write(b[i][j]+" ");
            }
    }

    for( i = 0; i < 2; i++)
    {

```

```

        for(j = 0; j <2; j++)
        {
            c[i][j] = a[i][j]+b[i][j];
        }
    }

```

```

document.write("<br>"+ "Addition of both matrix : ");
    for( i = 0; i < 2; i++)
    {
        document.write("<br>");
        for(j = 0; j < 2; j++)
        {
            document.write(c[i][j]+ " ");
        }
    }

```

```

</script>
</html>

```

Q7. swap two variables with a function in Javascript?

```

<html>
<script>

function willItSwap()
{
var d = 40, r = 50;
document.writeln("Before: d's value is: " + d + ", r's value is: " + r + "");
doSwap(d, r);
document.writeln("After: d's value is: " + d + ", r's value is: " + r);
}
function wrongSwap(x, y)
{
var temp = x;
x = y;
y = temp;
}
</script>
</html>

```

Q8. Swapping of two numbers without third variable

```

<html>
<script>
var a=parseInt(prompt("Enter First Number", ""));
var b=parseInt(prompt("Enter First Number", ""));
document.write("Before Swap A value is"+a);
document.write("Before Swap B value is"+b);
a = a + b;
b = a - b;
a = a - b;

```

```
document.write("After Swap A value is"+a);
document.write("After Swap B value is"+b);
</script>
</html>
```

Factorial of a number

```
<html>
<head>
<script type="text/javascript">
function factorial(f,n)
{
l=1;
for(i=1;i<=n;i++)
l=l*i;
f.p.value=l;
}
</script>
</head>
<body>
<form>
number:<input type="text" name="t"></br>
<input type="button" value="submit" onClick="factorial(this.form,t.value)"></br>
result:<input type="text" name="p"></br>
</form>
</body>
</html>
```

Defines the tags :

<frameset>

The <frameset> element holds one or more <frame> elements. Each <frame> element can hold a separate document.

```
<frameset cols="25%,*,25%">
  <frame src="frame_a.htm">
  <frame src="frame_b.htm">
  <frame src="frame_c.htm">
</frameset>
```

<sup>

The <sup> tag defines superscript text. Superscript text appears half a character above the normal line, and is sometimes rendered in a smaller font.

```
<p>This text contains <sup>superscript</sup> text.</p>
```


The tag defines an image in an HTML page.

```

```

<pre>

The `<pre>` tag defines preformatted text.

Text in a `<pre>` element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks.

```
<pre>
Text in a pre element
is displayed in a fixed-width
font, and it preserves
both spaces and
line breaks
</pre>
```

``

The `` tag specifies the font face, font size, and color of text.

```
<font size="3" color="red">This is some text!</font>
<font size="2" color="blue">This is some text!</font>
<font face="verdana" color="green">This is some text!</font>
```

``

The `` tag is a phrase tag. It defines important text.

```
<strong>Strong text</strong>
```

`<blockquote>`

The `<blockquote>` tag specifies a section that is quoted from another source.

```
<blockquote cite="http://www.worldwildlife.org/who/index.html">
For 50 years, WWF has been protecting the future of nature. The world's leading conservation
organization, WWF works in 100 countries and is supported by 1.2 million members in the United
States and close to 5 million globally.
</blockquote>
```

`<strike>`

The `<strike>` tag defines strikethrough text.

```
<p>Version 2.0 is <strike>not yet available!</strike> now available!</p>
```

``

The `` tag is a phrase tag. It renders as emphasized text.

```
<em>Emphasized text</em>
```

`<div>`

The `<div>` tag defines a division or a section in an HTML document.

The `<div>` tag is used to group block-elements to format them with CSS.

```
<div style="color:#0000FF">
  <h3>This is a heading</h3>
  <p>This is a paragraph.</p>
</div>
```

`<kbd>`

The `<kbd>` tag is a phrase tag. It defines keyboard input.

```
<kbd>Keyboard input</kbd>
```

`<legend>`

The `<legend>` tag defines a caption for the `<fieldset>` element.

```
<form>
  <fieldset>
    <legend>Personalia:</legend>
```

```
Name: <input type="text" size="30"><br>
Email: <input type="text" size="30"><br>
Date of birth: <input type="text" size="10">
</fieldset>
</form>
```