

Eval()

```
<html>
<head>
  <title>JavaScript Example</title>
</head>
<body>
  <script type="text/javascript">
    document.write(eval(10*20));
    document.write("<br>");
    document.write(eval(new String("Hello all")));
  </script>
</body>
</html>
```

User Defined Functions

Specific tasks can be grouped into a single unit and can be reused.

*declare

*code

*call

*Function declaration syntax :

```
function fn_name(parameter list)

{
    CODE
}
```

Function declaration is done preferably within the <HEAD> ---</HEAD> tags so that they can be parsed before they can be called.

EXAMPLE 1.

```
<html>
<head>
<script = "text/javascript">
function fn ()
{
    var sum = 2+3;
    return sum;
}

var x = fn();
document.write (x);
</script>
</head>
</html>
```

EXAMPLE 2.

```
<html>
  <head>
    <script = "text/javascript">

      function add ()
      {
        var val1 = prompt ("enter first number:");
        var val2 = prompt ("enter second number:");
        val1 = parseFloat (val1);
        val2 = parseFloat (val2);
        var result = val1 + val2;
        return result;
      }

      var result1 = add();
      document.writeln ("sum of entered numbers is :" + result1 )
    </script>
  </head>
</html>
```

EXAMPLE 3.

```
<html>
  <head>
    <script = "text/javascript">

      function factorial(n) {
        return (n != 1) ? n * factorial(n - 1) : 1;
      }

    alert( factorial(5) );
    document.writeln ("sum of entered numbers is :" + factorial(4) )
  </script>
</head>
</html>
```