

Topics Covered:

- Javascript Functions

Javascript functions

- A JavaScript function is a block of code or collection of multiple javascript statements to perform some particular task
- A JavaScript function is executed when it is called by its name.
- A JavaScript function is defined with the **function** keyword, followed by a name, followed by parentheses ().
- Function can be defined as follows:

```
○ Function functionname() {  
  
    //Statement 1  
  
    //statement 2  
  
    //statement n  
  
}
```

- Try the code given below and observe the output:

```
<html>  
  <body>  
    <h2>JavaScript Functions</h2>  
    <p id="demo"></p>  
    <script>  
      function myFunction(num1, num2) {  
        return num1 + num2;  
      }  
  
      document.getElementById("demo").innerHTML = myFunction(4, 3);  
    </script> </body> </html>
```

Function Parameters

- Function parameters are written inside the parentheses () in the function definition.
- Function arguments are the values received by the function when it is called or invoked.
- Inside the function, the arguments (the parameters) behave as local variables.
- In the above code num1 and num2 are parameters.
- A function without a parameter is also possible.
- Function can also be invoked from html code by its name written in the onclick attribute.
- Syntax of function with parameters is as follows:

```
function functionname (parameter1,parameter2,...) {
    //multiple statements
}
```

- Try the code given below:

```
<html>
  <body>
    <h2>JavaScript Functions</h2>
    <p> Enter First Name: <input type="text" id="textbox1"/>
    <p> Enter Last Name: <input type="text" id="textbox2"/>
    <p id="result"> </p>
    <button onclick="myFirstFunction()"> Add </button>
    <script>
      function myFirstFunction() {
        var a= document.getElementById("textbox1").value;
        var b= document.getElementById("textbox2").value;
        document.getElementById("result").innerHTML =
"Hello," + a + " "+ b;
      }
    </script>
  </body> </html>
```

- **Output:**

JavaScript Functions

Enter First Name:

Enter Last Name:

Hello, Tom Smith