

What is Java Script

Java Script is script-based programming language that supports the development of both client and server components of web-based applications. On the client side, it can be used to write a program that is executed by the browser. Java Script gives the “Structured Control to the Html”.

Embedding Java Script With HTML

Java Script statements can be included in HTML documents by `<Script ></Script>` Tag. The Script Tag may be placed in either the head tag or the body tag. We have Document.write function to write any thing on the page.

Example #1

```
<html>
<head>
<title>
    Java Script Page
</title>
</head>
<body>
<Script Language="JavaScript">
    document.write("Hello World")
</Script>
</body>
</html>
```

In the preceding example we have created a simple program, which is simply printing the message, Hello World.

In document.write we could use, also Html tags.

Example #2

```
<html>
<head>
<title>
    Java Script Page
</title>
</head>
<body>
<Script Language="JavaScript">
    document.write("<h1>Hello World</h1>")
    document.write("<b> This is the Java Script Message</b>")
</Script>
</body>
</html>
```

```

</Script>
</body>
</html>

```

Java Script Comments

The Java Script language provide comments of its own. These comments are used to insert notes and processing descriptions into scripts. We have two types of comments

- 1) // This comment is used for one line
- 2) /* This comment is used for multiple line */

Example #3

```

<html>
  <head>
    <title>
      Java Script Page
    </title>
  </head>
  <body>
    <Script Language="JavaScript">
      document.write("<h1>Hello World</h1>")
      document.write("<b> This is the Java Script Message</b><br>")
      //document.write("This line used as comment")
      // this will print message, and create Horizontal line
      document.write("<hr>I like it.")
    </Script>
  </body>
</html>

```

Data Types

Java Script, like other programming languages, uses variables to store values so they can be used in other parts of a program, Variables are numbers that are associated with these store values. Declaring the variables and assigning the values to variables create the data type to the variables. We have Numeric Type, String Type.

In Java Script we don't explicitly define the data type name.

Example #4

```

<html>
<head>
<title>
  Java Script Page

```

```
</title>
</head>
<body>
  <Script Language="JavaScript">
    mname="NISTE"
    document.write("<h1>Hello World</h1>")
    document.write("<b> This is the Java Script Message</b>" + mname)
  </Script>
</body>
</html>
```

In the Preceding Example we have created an example which is creating one variable and printing message with variable value.