**JavaScript**

* JavaScript is a scripting language that allows you to implement complex things on a web page
* Makes webpages more interactive
* Interpreted language, unlike any other language it doesn't require external compilers.
* Runs on the client's computer which makes it more efficient.
* Can be included in an HTML file by using <script></script>
* <script src = "(fileName).js"></script> This line of code can be used to link an external js file to the html

Hello World using Javascript

<html>

<body>

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

<!--

document.write("Hello World!")

//-->

</script>

</body>

</html>

There are many useful **Javascript frameworks** and libraries available:

* Angular
* React
* jQuery
* Vue.js
* Ext.js
* Ember.js
* Meteor
* Mithril
* Node.js
* Polymer
* Aurelia
* Backbone.js

## Applications of Javascript Programming

As mentioned before, Javascript is one of the most widely used programming languages (Front-end as well as Back-end). It has it's presence in almost every area of software development. I'm going to list few of them here:

* Client side validation - This is really important to verify any user input before submitting it to the server and Javascript plays an important role in validating those inputs at front-end itself.
* Manipulating HTML Pages - Javascript helps in manipulating HTML page on the fly. This helps in adding and deleting any HTML tag very easily using javascript and modify your HTML to change its look and feel based on different devices and requirements.
* User Notifications - You can use Javascript to raise dynamic pop-ups on the webpages to give different types of notifications to your website visitors.
* Back-end Data Loading - Javascript provides Ajax library which helps in loading back-end data while you are doing some other processing. This really gives an amazing experience to your website visitors.
* Presentations - JavaScript also provides the facility of creating presentations which gives website look and feel. JavaScript provides RevealJS and BespokeJS libraries to build a web-based slide presentation.
* Server Applications - Node JS is built on Chrome's Javascript runtime for building fast and scalable network applications. This is an event-based library which helps in developing very sophisticated server applications including Web Servers.

This list goes on, there are various areas where millions of software developers are happily using Javascript to develop great websites and others softwares.

**TUTORIAL Link**

If you need to learn the detailed concepts of JavaScript here's a site you can refer -

https://www.w3schools.com/js/default.asp

There are topic-based explanations and examples.