

JAVASCRIPT

- Javascript is one of the most popular scripting language used in millions of webpages these days.
- Javascript is an interpreted, Object-Oriented, high-level scripting language.
- It is used to add functionality to webpages.
- By using Javascript, web developers can perform tasks:
 - Open new browser window.
 - Creating pop-up window.
 - Performing form data validation.
 - Alert messages.
 - Creating animations.
 - Writing dynamic contents.

Syntax

(How to Add Javascript into Your Webpages)

- To add Javascript to your HTML webpage, `<SCRIPT>` element is used.
- All script start with `<SCRIPT>` tag followed by script code and ends with `</SCRIPT>` tag.

→ language is one of the essential attribute is used. This attribute specifies the scripting language to be used.

```
<script language = "JavaScript">
  <!--
      // Javascript Code
  // --->
</script>
```

* Javascript Program

(i) Open editor, where you type code.

(ii) Save the file as javascript - html.
name what you want ↑ extension

(iii) Open any browser and view the webpage where you saved HTML file. Double click on the file. You will see the output.

```
<html>
```

```
<head>
```

```
<title> Program of JS </title>
```

```
</head>
```

```
<body>
```

```
<script language = "javascript">
```

```
document.write ("Welcome to JS");
```

```
</script>
```

```
</body >  
</html >
```

Output -

Welcome to Js

* Characteristics of Javascript

- Javascript is a case sensitive language.
- Javascript statement should end with a semicolon.
- you can write multiple statement in single line.
- It is weakly typed language as there is no need to specify the datatype of variable.

* Javascript COMMENTS

- A comment is an non-executable statement that helps to read and understand the script code.
- It is used to understand what each variable represents.

→ Comments can either be single-line comments
(//) or multi-line comments. (* --- */)

// Single line comments

/* --- --- --- ---

--- multi-line

comments --- */