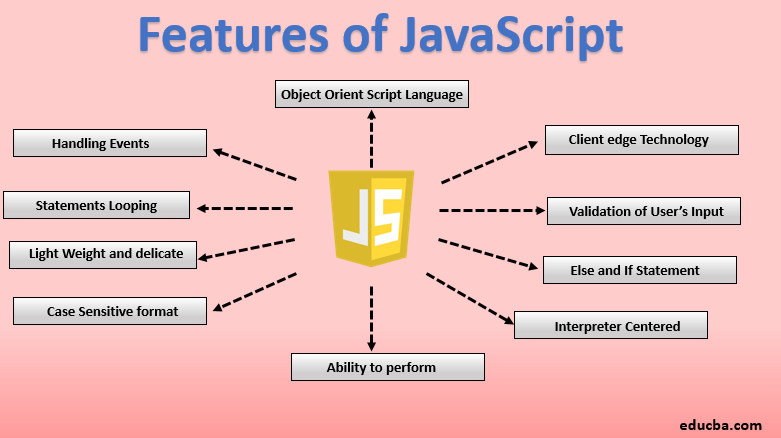
**Q1. Explain the Features of JavaScript?**

**Ans**. Java Script was developed by Brendan Eich in Netscape in 1995 for coding in web pages allowing the logical operation to client edge. JavaScript is mainly a client edge script language. This object- centred script language most commonly used for designing web pages which are a standalone language developed in Netscape. It gives the user extra control over the browser with potential in the creation of new functions in scripts. This scripting language features case sensitive input with the detection of the user’s browser and operating system. JavaScript is mostly used by validation in client edge technology.

**JavaScript Features**

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#### **1. Object-Centered Script Language**

Object Centred Language features built in the object as Java Script has a window object. Some Common Examples of Object Centered languages are Java Script and Visual Basic etc. The object-centered languages are mostly used for features like Polymorphism which is a quality of taking an object in many forms. Use of [Polymorphism](https://www.educba.com/what-is-polymorphism/)within [object-oriented programming](https://www.educba.com/object-oriented-programming-in-java/) requires whenever we use to represent reference of the parent class to an object of a child class.

#### **2. Client Edge Technology**

The client is basically a term used for Web Browser in respective of User. The data on the server gets uploaded by a client which later used by a user in the rendered form. The user gets access to the client through a web browser for surfing and interacting through websites. The client edge technology in Java Script allows the client to have full control over the content which is being updated in servers.

#### **3. Validation of User’s Input**

Validation of User’s Input is most commonly known as form validation, it allows users to interact with client through filling forms through web pages. The details in the form need to be correctly filled where form validation helps the client to validate the details entered by the user.

#### **4. Else and IF Statement**

IF and Else Statements are used to perform logical operations.

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**5. Interpreter centred**

Java Script is built with Interpreter Centered which allows the user to get the output without the use of Compiler. That means the input performed by the user gets rendered directly without the compiling of codes.

#### **6. Ability to Perform In Build Function**

Java Script has many In-Built Functions like isNAN (), Number (), parseFloat () and parseInt () etc. [isNAN () Function](https://www.educba.com/isnan-javascript/) is used to identify that input object is correct number format. parseFloat () function is used in the conversion of the object into a number. parseInt () Function is used to analyze strings.

#### **7. Case Sensitive Format**

The codes written in Java Script are Case Sensitive which explains that there will be no difference in the output whether the codes are written in Upper Case or LowerCase Format.

#### **8. Light Weight and delicate**

Java Script Features Light Weight and delicate and codes written in JavaScript don’t include variables and uses only objects to perform the operations.

#### **9. Statements Looping**

The statement looping is used to perform the same operations repeatedly. In this operation the same set of code run in repeat manner for a specific or unspecific set of time.

#### **10. Handling Events**

The Java Script has the ability to control operations updated on servers. This is basically controlling the response on the website when the user tries to perform any operation the server handled by the client like clicking on links and options, interaction response over the website, etc.

**Q2. Explain the types of JavaScript Files**

Ans. Types of Javascript:-

1. Internal Javascript

2. External Javascript

1. Internal Javascript:-

Here we write javascript code inside html pages.

This is page specific javascript.

<!DOCTYPE html>

<html>

<head>

<title>HTML file</title>

</head>

<body>

<h1>Internal Js</h1>

<hr>

<script>

document.write("This is internal javascript");

</script>

</body>

</html>

2. External Javascript:-

Here we create separate file with .js extension and include it inside html pages.

This way we can include same js code in all our html pages wherever we want to reuse.

Index.html File

<!DOCTYPE html>

<html>

<head>

<title>HTML file</title>

<script src="script.js" type="text/javascript"></script>

</head>

<body>

<h1>This External Js</h1>

</body>

</html>

script.js file

document.write("This is External javascript");