**JavaScript:**

* JavaScript is a lightweight, interpreted, object-oriented language with first-class functions, and is best known as the scripting language for Web pages, but it's used in many non-browser environments as well. It is a prototype-based, multi-paradigm scripting language that is dynamic, and supports object-oriented, imperative, and functional programming styles.
* JavaScript runs on the client side of the web, which can be used to design / program how the web pages behave on the occurrence of an event. JavaScript is an easy to learn and powerful scripting language, widely used for controlling web page behaviour.
* Contrary to popular misconception, JavaScript is *not* "Interpreted Java". In a nutshell, JavaScript is a dynamic scripting language supporting prototype-based object construction. JavaScript can function as both a procedural and an object-oriented language. Objects are created programmatically in JavaScript, by attaching methods and properties to otherwise empty objects at run time, as opposed to the syntactic class definitions common in compiled languages like C++ and Java. Once an object has been constructed it can be used as a blueprint (or prototype) for creating similar objects.
* JavaScript's dynamic capabilities include runtime object construction, variable parameter lists, function variables, dynamic script creation, object introspection, and source code recovery.

**jQuery :**

* jQuery is a lightweight, "write less, do more", JavaScript library.
* The purpose of jQuery is to make it much easier to use JavaScript on your website.
* jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish and wraps them into methods that you can call with a single line of code.
* jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.
* The jQuery library contains the following features:
* HTML/DOM manipulation
* CSS manipulation
* HTML event methods
* Effects and animations
* AJAX
* Utilities

**Advantages of JavaScript –**

1. JavaScript boosts up the execution of a program and saves the time required for connecting to the server.
2. It provides numerous interfaces to developers for creating catchy web pages.
3. It is capable of back-end as well as front-end development.
4. The structure of JavaScript is simple for the users as well as the developers.

**Advantages of jQuery –**

1. jQuery is immense flexible as it permits users to add plugins.
2. It has inbuilt UI and effects libraries.
3. It can perform complicated JavaScript operations in very less code.
4. It is free , supported well across different applications and also provides very efficient and fast solution to the problems.