

# Introduction :

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→ What is JavaScript ?

→ JavaScript, which is abbreviated as JS, is a programming language that conforms to the ECMAScript specification. It was initially created to make web pages alive. Java-Script is high-level, often just-in-time compiled, multi-paradigm. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. Using JavaScript, we can change and update both HTML and CSS. JavaScript has no link with Java programming language. It is a fully independent language with its own specification.

→ What is the difference between the Client-side and Server-side ?

→ Client-side and server-side in the term of web development, describes where application code runs. Web developers will also refer to this distinction as the frontend vs. the backend. In web development, the client-side refers to

everything in a web application displayed on the client end (end-user device).

The browser interprets HTML & CSS on the client-side. Whereas, the server-side is where all the request coming from client-side is handled. The working which is performing on the server-side is not visible to the end-user.

The server-side has the business logic for dynamic webpages.

## Console logs, Errors, Warnings & More 2

`CONSOLE.LOG('HELLO CONSOLE')` => To print hello console in the console.

`CONSOLE.LOG(4+34);` => To calc. result in console.

`CONSOLE.LOG(34);` => To print 34 in console.

`CONSOLE.TIME('YOUR CODE TOOK');` => This will print the execution time of code & print in `time` and `time_end`.

`CONSOLE.LOG(TRUE);` => To print TRUE in console.

`CONSOLE.LOG([34, 2, 1, 2]);` => To print this list in console.

`CONSOLE.LOG({HARRY: 'TUNY', MARKS: 34});` => To print this object (Dictionary in Python) in console.

`CONSOLE.TABLE({HARRY: 'TUNY', MARKS: 34});` => To print this object in form of a table.

`CONSOLE.WARN('THIS IS A WARNING');` => To print this warning in console.

`CONSOLE.TIMEEND('YOUR CODE TOOK');` => Finally prints the execution time of Inb/w code.

`CONSOLE.ASSERT(566 < 189, 'AGE > 189 is not POSSIBLE')` => Given condition is false,  $\therefore$  throws an assertion error in console.

`CONSOLE.ERROR('THIS IS AN ERROR')` => To throw this error in console.

`CONSOLE.CLEAR();` => To clear the above logs from console.