## Java-script

JavaScript is a lightweight, event-based & high-level object-orientated programming language that is mostly applied to make web pages lively & dynamic.

- ♣ Client-side Language: It runs client-side, which gives programmers options of using it to build responsive & interfaces.
- Flexible: Can be used to validate forms, provide animations, event handle (e.g., hit & drag an object), & update the content without reloading the page.
- ♣ Interpreted Language: Compilation is not needed; browsers interpret & perform it.
- → Object Orientated & Event-Driven: Objects, functions & events are supported, which gives it an expansive nature in relation to programming approaches.
- Cross-Platform: Browser independent & compatible on all platforms.
- ♣ Added Functionality: JavaScript also works with back-end development, databases, APIs & even desktop/mobile applications with environments such as Node.js.

JavaScript is the language that powers interactivity & logic on the web, making static HTML & CSS pages dynamic.

Example:

```
| DOTAL | Property | P
```

## Output:



This example shows how the use of the java scripting language can be used to put interactivity in a web page. Here the result is dynamic. It changes immediately when you click any button based on the numbers you entered.

Citation:

MDN web Docs (n.d.) JavaScript Guide. Mozilla. Available at: <a href="https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide">https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide</a>