



JS

JAVASCRIPT IN NUTSHELL

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Outline

- What is JavaScript?
- What can you do with it?
- Where does JavaScript run?
- A live demo of using JavaScript.

JavaScript

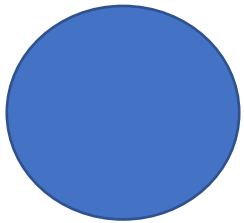
- Most popular and widely used programming language.
- JavaScript is high-level, just-in-time compiled, and multi-paradigm language.
- Supports functions, objects and classes.
- **First appeared** : 1995
- **Stable release**: ECMAScript 2021

Who uses JS?

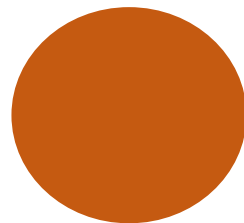
- Almost everyone use JavaScript.



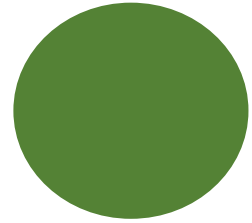
- Why do they use JS?



**Front End
Development**

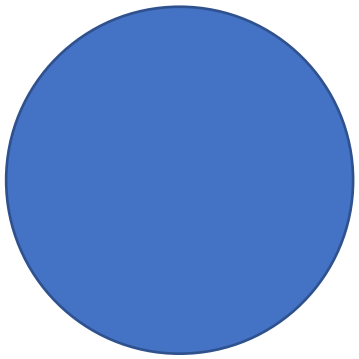


**Back End
Development**

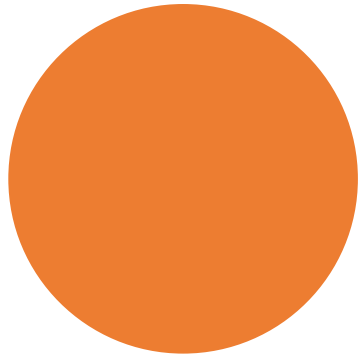


**Full Stack
Development**

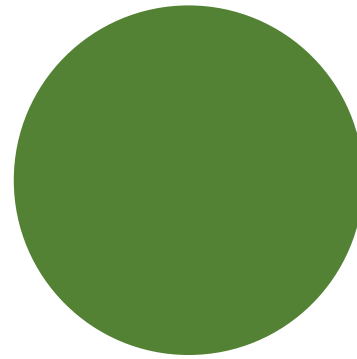
What more can you do with JavaScript?



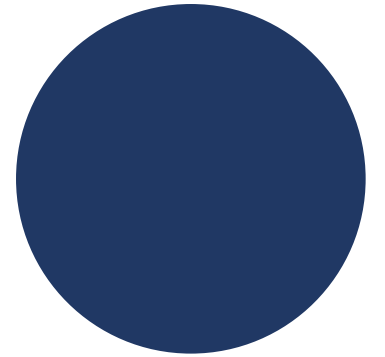
**Web/Mobile
Apps**



**Real-time
Networking
Systems**

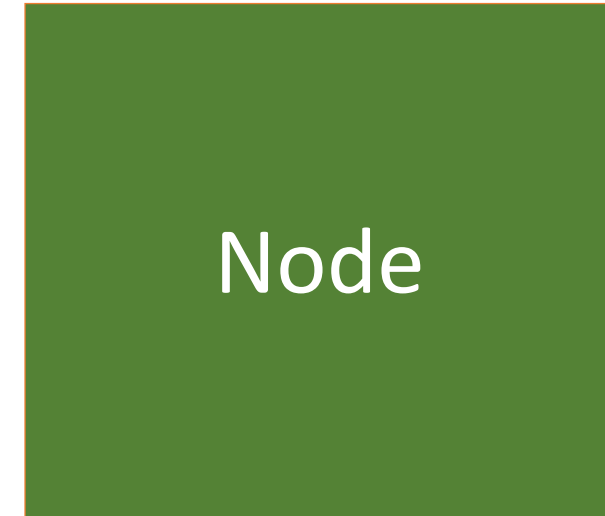
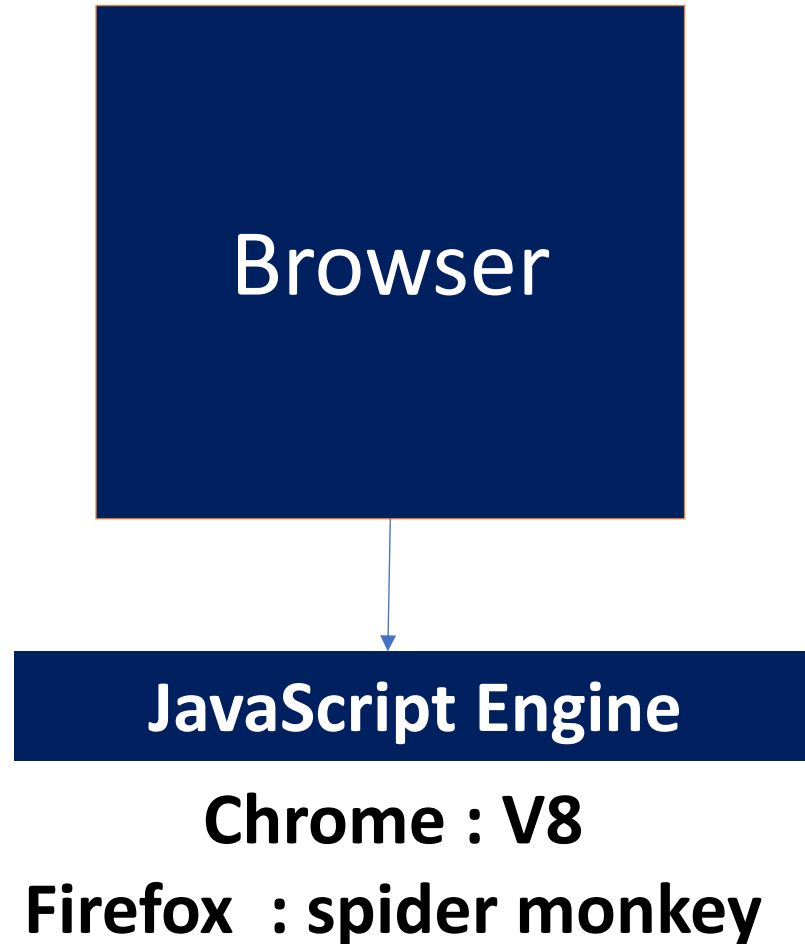


**Command Line
Tools**



Games

Where does JavaScript Code run?



✓ **Build back-end for web and mobile apps**

JavaScript Vs ECMAScript



ECMAScript

Specification



JS

JavaScript

**Programming
Language**

JavaScript in Action

```
<body>
```

```
<h2>What Can JavaScript Do?</h2>
```

```
<p id="demo">JavaScript can change HTML content.</p>
```

```
<button type="button"
```

```
  onclick='document.getElementById("demo").innerHTML = "Hello from JavaScript!"'> Click
```

```
  Me!</button>
```

```
</body>
```


Live Demo

01:16:32 PM

Creating a digital clock using JavaScript

What's more on our course?

- In-depth knowledge of variables, objects, Arrays, Functions in JavaScript.
- Dynamic content creation using JS.
- Form validation
- Ajax – to asynchronously send and retrieve data from server.
- A complete web project based on JavaScript.



Thanks !

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