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# JAVASCRIPT

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# TOPICS

➤ **What is this course about?**

➤ **What is JavaScript used for?**

➤ **What tools do we need?**

➤ **Language specification**

➤ **Data Types. typeof**

➤ **GIT**

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# WHAT IS JAVASCRIPT USED FOR?

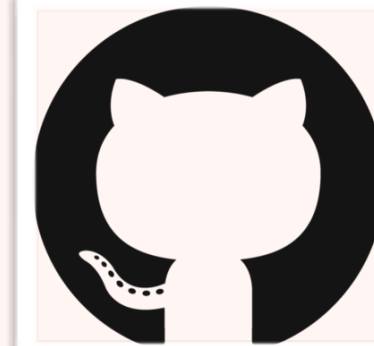
- **Client-Side Web Applications**
- **Server-Side Web Applications**
- **Mobile Applications**
- **Desktop Applications**
- **Web Games**

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <meta http-equiv="X-UA-Compatible" content="ie=edge">
7      <title>Hello World!</title>
8  </head>
9  <body>
10     <script>
11         alert('Hello');
12     </script>
13 </body>
14 </html>
```

# Development environment



Visual Studio Code



GitHub

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# DATA TYPES



**Boolean**



**Undefined**



**Number**



**Symbol**



**String**



**Object**



**Null**



# typeof

- The **typeof** operator returns a string indicating the type of the unevaluated operand.

```
<script>
  typeof undefined; // 'undefined'

  typeof 0; // 'number'

  typeof true; // 'boolean'

  typeof 'foo'; // 'string'

  typeof {}; // 'object'

  typeof null; // 'object'

  typeof function() {} // 'function'
</script>
```

# GIT

- **Git is a version control system to keep track of changes to files and projects over time.**
- **GitHub is a website that hosts Git repositories online, making it easier to developers to share code.**

