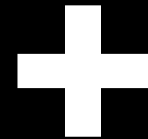


the  
structure



**HTML**



the  
style



**CSS**

the  
structure



**HTML**

+

the  
style



**CSS**

+

the  
interaction



**JAVASCRIPT**

# JavaScript (not Java)

The programming language of the Web for interaction and behavior.

Core programming concepts, including methods, variables, loops, functions, and conditionals.

- Change HTML content and attributes
- Change CSS
- Listen and react to user interactions (clicking, keyboard, scroll, hover, etc)
- Dynamic!

# Data Types

## Numbers

2

57

1039.6418

9 + 7

12 / 6

## Strings

"Hi"

'Hello World!'

"A 'Hello, World!' program is a computer program that outputs 'Hello, World!' to a user."

## Boolean

True

False

# Statements

```
const myMessage = "Hello, World!";
```

```
const x = 5;
```

```
document.getElementById("demo").innerHTML = "Hello.";
```

- Statements are instructions.

- Statements can have different formats.

# Functions

```
function helloYou() {  
    document.getElementById("demo1").innerHTML = "Hello!";  
    document.getElementById("demo2").innerHTML = "How are you?";  
}
```

- Functions are blocks of code that are designed to perform a specific task and can be reused.

- First define the function name.
- Use lower camelCase.

# Where to put Javascript

```
<script>  
document.getElementById("demo1").i  
nnerHTML = "Hello Dolly!";  
</script>  
</body>
```

OR

```
<script src="script.js"></script>  
</body>
```

- Use the <script> tag.
- Place it before the closing </body> tag.
- Can be placed in a separate file with .js extension.

# JQuery

A JavaScript Library.

Simplifies JavaScript programming.

Easier to learn.

```
$("#p").hide();
```

```
$(".test").show();
```

```
$("#test").hide();
```



# jQuery

```
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js">
</script>
<script>
$(document).ready(function(){
    $("p").click(function(){
        $(this).hide();
    });
});
</script>
</head>
```