



Intro to Web Dev

Part 2

Svelte Basics



Agenda

- What is Svelte ?
- File structure
- Components
- Each Loop
- Conditional Logic
- Portfolio Website Live Coding



What is Svelte ?



File Structure

- In any .svelte file, you'll have `<script> </script>` for JavaScript code, **any HTML tags** for HTML code, and `<style> </style>` for CSS code

```
App.svelte  +
1  <script>
2    let name = "acmDev"
3  </script>
4
5  <main>
6    <h1> {name} very poggers </h1>
7  </main>
8
9  <style>
10    h1 { color: #1E6CFF }
11  </style>
```

Result JS output CSS output

acmDev very poggers



Each Loop

```
1  <script>
2    let numbers = ["one","two","three","four"]
3  </script>
4
5  <main>
6    {#each numbers as number}
7    <p> {number} </p>
8  {/each}
9  </main>
10
```

Result JS output CSS output

one

two

three

four



Conditional Logic

```
1 ✓ <script>
2   let name = "acmDev"
3 </script>
4
5 ✓ <main>
6   {#if name == "acmDev"}
7 ✓   <p> {name} is poggers </p>
8   {/if}
9 </main>
10
11
```

Result JS output CSS output

acmDev is poggers

Note: Any valid JS code can go inside of these {}, so we can do more complex conditions for #if when needed



Reactive State

```
1 <script>
2   let msg = ""
3   function youClicked() {
4     msg = "you clicked"
5   }
6 </script>
7
8 <main>
9   <button on:click={youClicked}>
10     Click me
11   </button>
12   <p> {msg} </p>
13 </main>
14
```

Result JS output CSS output

Click me

you clicked

App.svelte +

```
1 <script>
2   let numbers = [1, 2, 3, 4];
3
4   function addNumber() {
5     numbers = [...numbers, numbers.length + 1];
6   }
7
8   $: sum = numbers.reduce((t, n) => t + n, 0);
9 </script>
10
11 <p>{numbers.join(' + ')} = {sum}</p>
12
13 <button on:click={addNumber}>
14   Add a number
15 </button>
```

Result JS output CSS output

1 + 2 + 3 + 4 = 10

Add a number



Portfolio Website Live Coding

Before we started:

- Install VSCode
- [Download website-template from acmDev Github repo](#)



Portfolio Website Live Coding

Live Coding will be streaming on Zoom

Check Zoom link on **#dev-team** channel



Wrap up

Thank you for attending our meeting <3

All the slides and codes will be on our Github repo
(Give it a ★mf)

[Intro to Web Dev Series Github](#)

