



HTML & CSS WORKSHOP

BY LOOP CODING CENTER

WELCOME!



ABOUT US:

We offer coding classes for diverse middle and high-school age students to improve their opportunities in the technology field.



TODAY'S WORKSHOP

- **WHAT IS PROGRAMMING/CODING?**
- **HACK A WEBSITE** (just a little)
- **INTRO TO HTML**
- **INTRO TO CSS**
- **HTML + CSS**
- **BUILD YOUR WEBSITE**



WHAT IS PROGRAMMING?

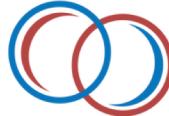
Programming or also known as coding.

A set of instructions given by a programmer to the computer to accomplish tasks.

```
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
self.logger = logging.getLogger(__name__)
self.debug = debug
self.logger = logging.getLogger(__name__)
if path:
    self.file = open(os.path.join(settings['job_dir'], path), 'w')
    self.file.seek(0)
    self.fingerprints.update(fp, request)
@classmethod
def from_settings(cls, settings):
    debug = settings.getbool("general.debug")
    return cls(job_dir(settings), debug)
def request_seen(self, request):
    fp = self.request_fingerprint(request)
    if fp in self.fingerprints:
        return True
    self.fingerprints.add(fp)
    if self.file:
        self.file.write(fp + os.linesep)
def request_fingerprint(self, request):
    return request_fingerprint(request)
```

ACTIVITY 1

Safety change (hack) a website



Home



About Us



Classes



Workshops



Pricing



Contact

We will
use our
website

Welcome to Loop Coding Center

Loop Coding Center



1

Welcome to Loop Coding Center

A context menu is open on the website, with 'Inspect' highlighted in blue.

2

Welcome to Loop Coding Center

The developer tools Elements tab shows the selected text.

3

Welcome to Loop Coding Center

A 'span' element is selected in the developer tools, with a bounding box overlay.

4

Change the text to Loop Coding Center

The developer tools Computed tab shows the 'color' property for the selected span element.



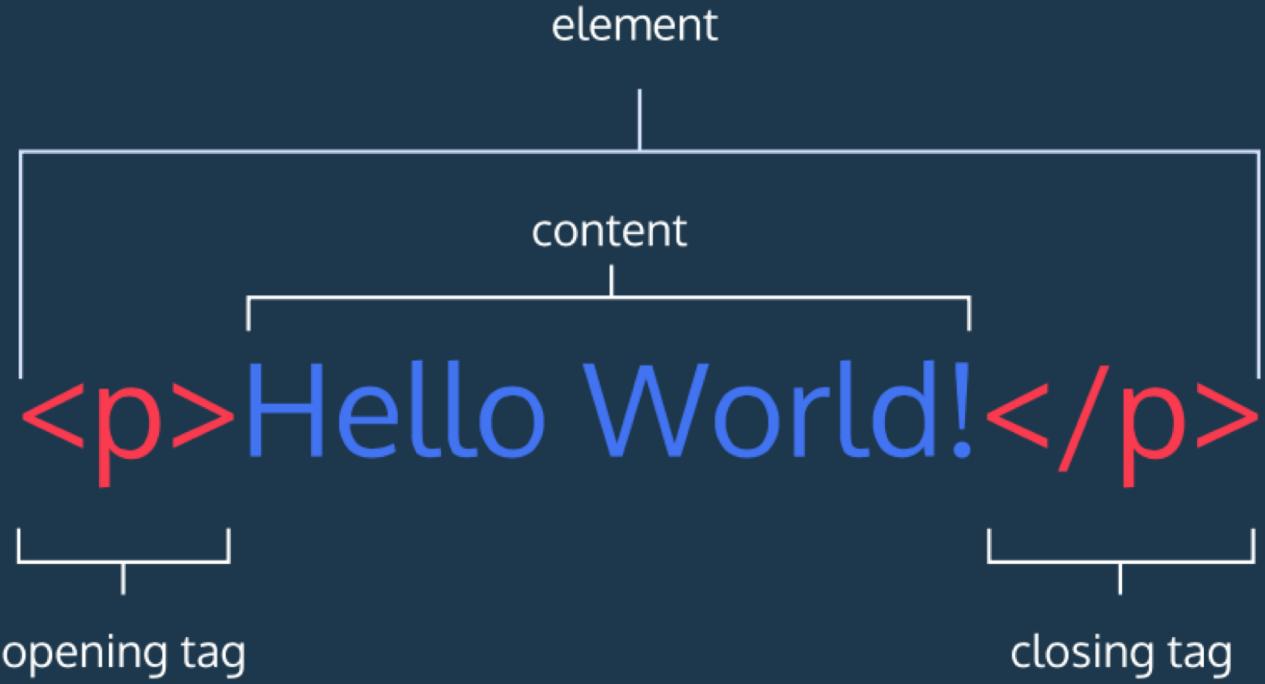
YOUR TURN TO EXPERIMENT

GO TO YOUR ANY WEBSITE AND CHANGE THE CONTENT

INTRO TO HTML

HTML IS USED TO CREATE CONTENT FOR THE WEBSITE

THE RULE OF HTML





COMMON MISTAKES

```
<TAGNAME TEXT> </TAGNAME>
<TAGNAME> </TAGNAME> TEXT
<TAGNAME> TEXT <TAGNAME>
<TAGNAME>TEXT</TAGNAME>
```



In each code sample, find the opening or closing tag that matches the arrow.

Example 1:

```
<html>
  → <head>-----;
    </head> ← -----
  <body>
    <div>
      </div>
    </body>
  </html>
```

Example 2:

```
<html>
  <head>
  </head>
  <body>←-----;
    <div>
      </div>
    </body> → -----;
  </html>
```

```
<html>
  <head>
  </head>
  <body>
    <div>
      <h1>Hello!</h1>
    → </div>
    </body>
  </html>
```

```
→ <zoo>
  <parakeet>
  </parakeet>
  <walrus>
  </walrus>
  <gift_shop>
    <stuffed_animal>
    </stuffed_animal>
  </gift_shop>
</zoo>
```

```
<html>
  <head>
    <title>
    </title>
  </head>
  <body>
    <div>
      <span>
        <h1>Heading</h1>
    → </span>
    </div>
    <div>
      <span>
        <h2>Sub-heading</h2>
      </span>
    </div>
  </body>
</html>
```



INTRO TO CSS

CSS IS USED TO ADD STYLE TO THE WEBSITE

```
27 .screen-reader-text:active,  
28 .screen-reader-text:focus {  
29     background-color: #f1f1f1;  
30     border-radius: 3px;  
31     box-shadow: 0 0 2px 2px rgba(0, 0, 0, 0.6);  
32     clip: auto !important;  
33     color: #21759b;  
34     display: block;  
35     font-size: 14px;  
36     font-size: 0.875rem;  
37     font-weight: bold;  
38     height: auto;  
39     left: 5px;  
40     line-height: normal;  
41     padding: 15px 23px 14px;  
42     text-decoration: none;  
43     top: 5px;  
44     width: auto;  
45     z-index: 100000; } .
```



index.html

KeepCalmCrown.png

style.css

CSS can be
created in a
new file. This
method called
“External CSS”

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>We Can Code</title>
5
6     <link href="style.css" rel="stylesheet">
7
8   </head>
9
10  <body>
11    <div class="square">
12      
13      <h1>keep</h1>
14      <h1>calm</h1>
15      <h2>because</h2>
16      <h1>i can</h1>
17      <h1>code</h1>
18    </div>
19    <p> by Luis </p>
20  </body>
21
22 </html>
```

ON LINE 6 WE ARE
LINKING THE HTML TO
THE CSS.
THINK OF IT AS BUILDING
A BRIDGE TO TRANSFER
INFORMATION



KEEP
CALM
BECAUSE
I CAN
CODE

BY LUIS



EDITOR index.html

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>We Can Code</title>
5
6     <link href="style.css" rel="stylesheet">
7
8   </head>
9
10  <body> ←
11    <div class="square">
12      
13      <h1>keep</h1>
14      <h1>calm</h1>
15      <h2>because</h2>
16      <h1>i can</h1>
17      <h1>code</h1>
18    </div>
19    <p> by Luis </p>
20
21  </body>
22
23 </html>
```

HTML

EDITOR style.css

```
1 body {
2   background: darkred;
3   color: aliceblue;
4   text-align: center;
5   text-transform: uppercase;
6   font-size: 20px;
7 }
8 .square {
9   margin: 10px auto;
10  max-width: 300px;
11  padding: 30px;
12  border: 4px double white;
13 }
14
15
16
17 /*Create a new style for H1, H2 & P*/
18
19 /*
20  h1{
21    color: black;
22  }
23 */
24
```

CSS

```
1 body {  
2   background: darkred;  
3   color: aliceblue;  
4   text-align: center;  
5   text-transform: uppercase;  
6   font-size: 20px;  
7 }  
8 .square {  
9   margin: 10px auto;  
10  max-width: 300px;  
11  padding: 30px;  
12  border: 4px double white;  
13 }  
14  
15  
16  
17 /*Create a new style for H1, H2 & P*/  
18
```

DON'T LET THEM GET LOST!

CURLY BRACKETS: {}

SEMICOLON: ;

COLON: :

OPENING({}) AND CLOSING(})



I

HTML + CSS

A close-up photograph of a person's hands holding a small, light-colored rectangular object, likely a piece of paper or a sticky note. The word "CODE" is handwritten in blue ink across the center of the object. The background is dark and out of focus, showing what appears to be a computer monitor with some graphical elements. The overall composition is centered and has a shallow depth of field.

CODE

START YOUR WEBSITE