



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?

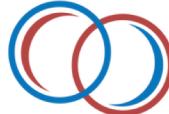
Programming or also known as coding.

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

```
34     self.debug = debug
35     self.logger = logging.getLogger(__name__)
36
37     if path:
38         self.file = open(os.path.join(settings['job_dir'],
39                                     path), 'w')
40         self.file.seek(0)
41         self.fingerprints.update(fp)
42
43     @classmethod
44     def from_settings(cls, settings):
45         debug = settings.getbool("general.debug")
46         return cls(job_dir=settings['job_dir'],
47                    debug=debug)
48
49     def request_seen(self, request):
50         fp = self.request_fingerprint(request)
51         if fp in self.fingerprints:
52             return True
53         self.fingerprints.add(fp)
54         if self.file:
55             self.file.write(fp + os.linesep)
56
57     def request_fingerprint(self, request):
58         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 over the page, 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.



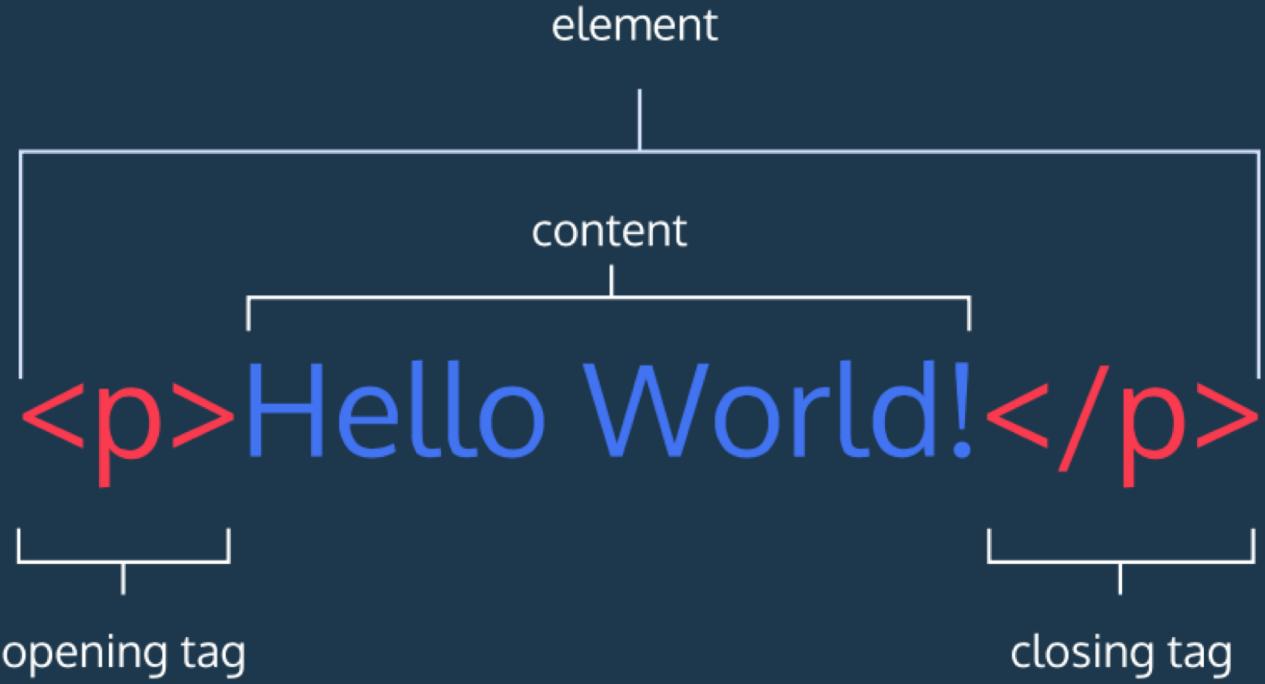
YOUR TURN TO EXPERIMENT

GO TO YOUR ANY WEBSITE AND CHANGE THE CONTENT

INTRO TO HTML

```
maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.min.css">
▶<style>...</style>
▶<nav class="navbar navbar-expand-md navbar-dark bg-dark">...</nav>
▼<main class="container">
  ▼<todo-form>
    ▶<style>...</style>
    ▶<div class="card todo-form">...</div>
  </todo-form>
  <hr>
  ▼<todo-list ref="list">
    ▶<style>...</style>
    <h2>Tasks:</h2>
    <ul ref="todos" class="list-group">
      ▶<todo-task ref="task-151717612142" id="task-151717612142">
        ...</todo-task>
      ▶<todo-task ref="task-1517176320397" id="task-1517176320397">
        ...</todo-task>
      ▶<todo-task ref="task-1517176329096" id="task-1517176329096">
        ...</todo-task>
      ▶<todo-task ref="task-1517176334849" id="task-1517176334849">
        ...
      </ul>
    </todo-list>
  </main>
</todo-application>
</div>
<script src="https://...>
```

THE RULE OF HTML





COMMON MISTAKES

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



```
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: 0.875em;  
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; } .
```

INTRO TO CSS



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 colorful pixels visible.

CODE

START YOUR WEBSITE