



Build a Website

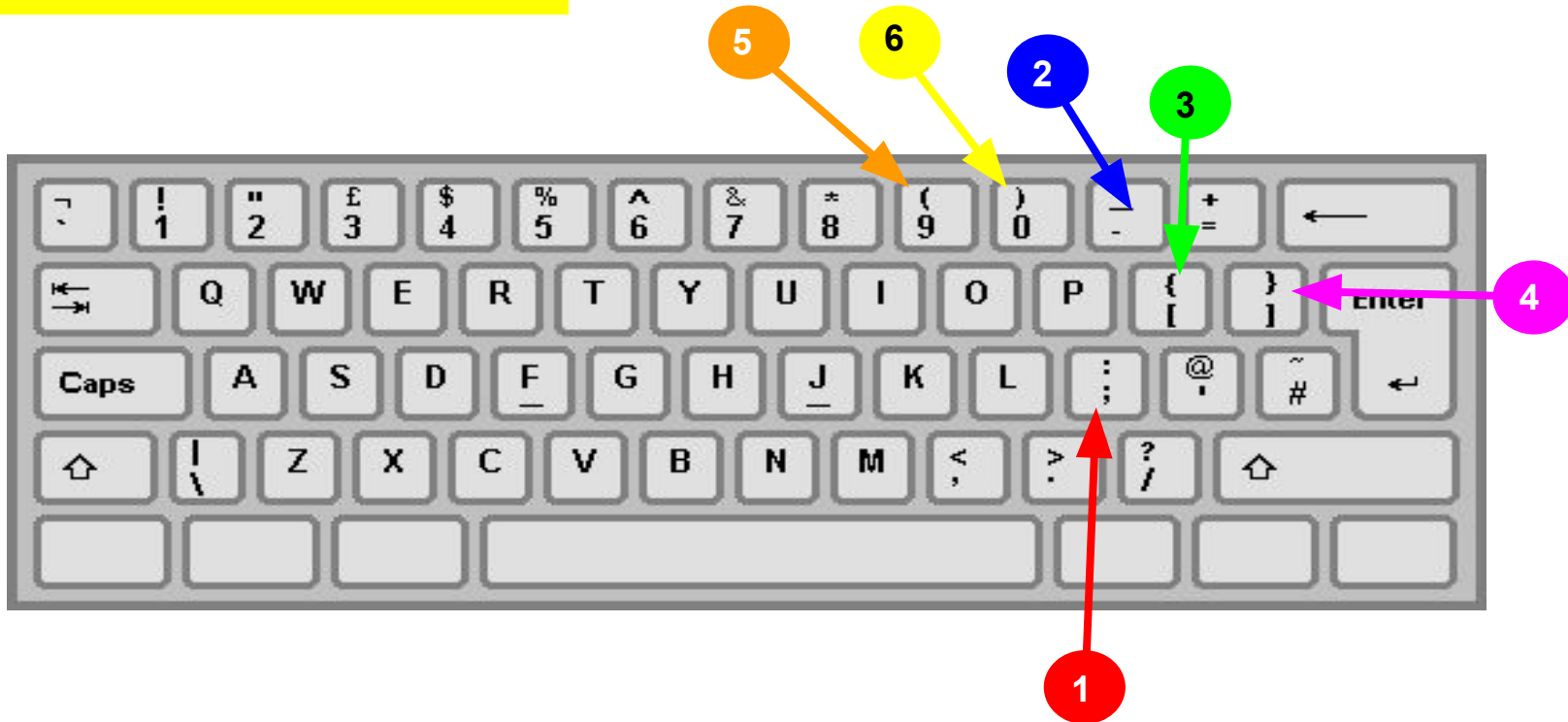
Beginners Guide to HTML

Part Four of Four



HTML - wrapping up with lists, CSS and Scripts

```
<div class="container">
  <div class="row">
    <div class="col-md-6 col-lg-8"> <!-- _____ BEGIN
      <nav id="nav" role="navigation">
        <ul>
          <li><a href="index.html">Home</a></li>
          <li><a href="home-events.html">Home Events</a></li>
          <li><a href="multi-col-menu.html">Multi-Col-Menu</a></li>
          <li class="has-children"><a href="#">Children</a>
            <ul>
              <li><a href="tall-button-header.html">Tall Button Header</a></li>
              <li><a href="image-logo.html">Image Logo</a></li>
              <li class="active"><a href="tall-button-header.html">Tall Button Header</a></li>
            </ul>
          </li>
          <li class="has-children"><a href="#">Children</a>
            <ul>
              <li><a href="variable-width-slide.html">Variable Width Slide</a></li>
            </ul>
          </li>
        </ul>
      </nav>
    </div>
  </div>
</div>
```


Before we start...



1. Colon,
Semicolon

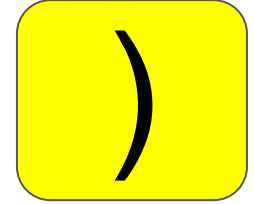
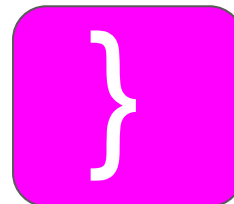
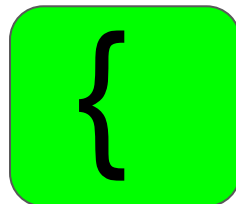
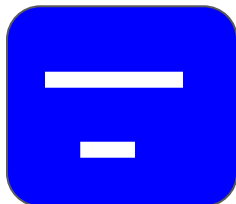
2. Dash (minus) ,
Underscore 

3. Right curly
bracket

4. Right curly
bracket

5. Left
parenthesis

6. Right
parenthesis



What are lists?

There are two types of lists: `` - unordered list, `` - ordered list; Each list item needs to be in a `` tag.

Nest your links into `` tag first

```
<ul>  
  <li>One</li>  
  <li>Two</li>  
  <li>Three</li>  
</ul>
```



List of apple types

Nest each apple type into `` tag.

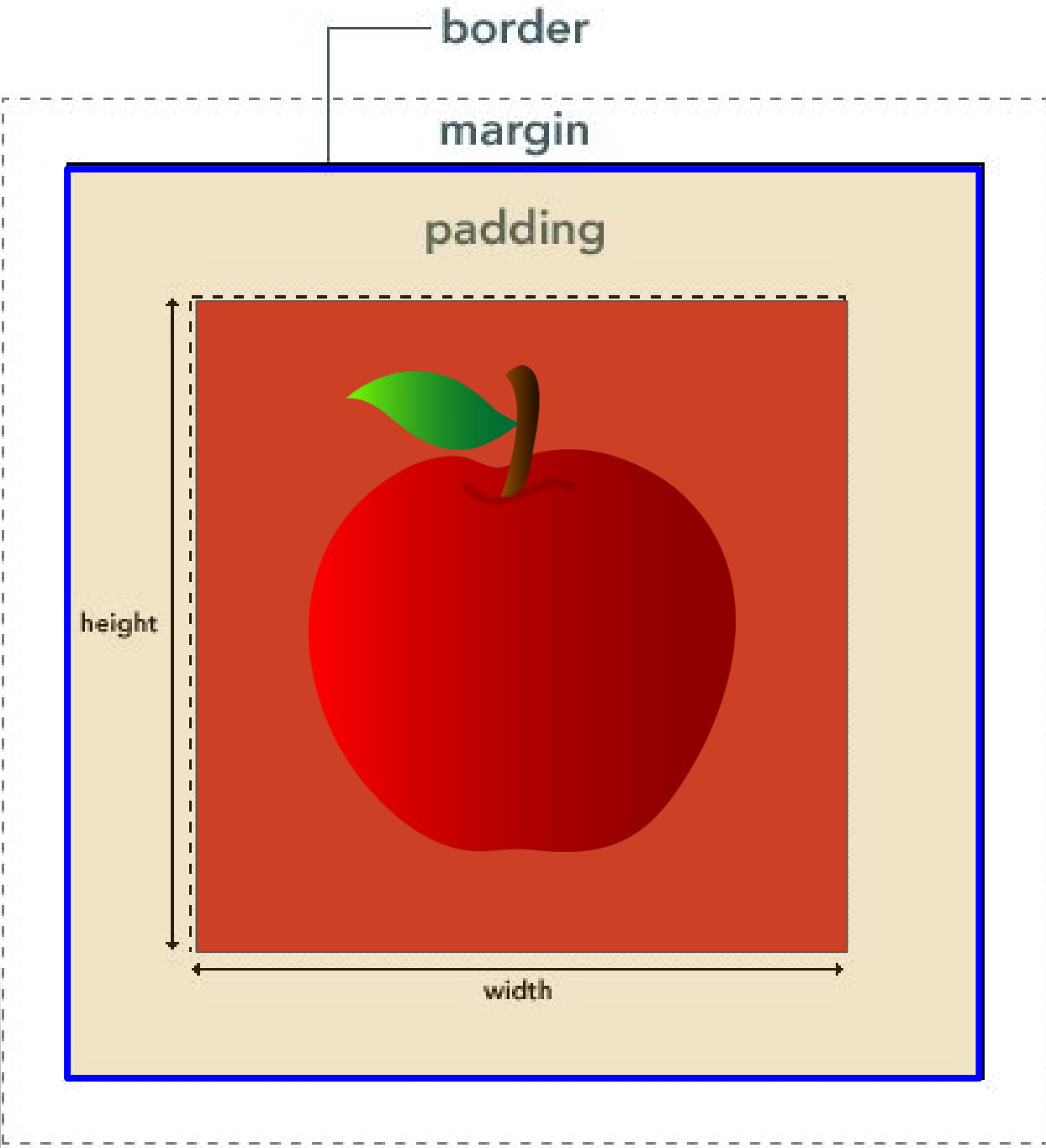
In our **apple.html**, add the list of apples, for example:



```
<p>Irish top five apples:</p>
<ul>
  <li>Ard Cairn Russet</li>
  <li>Irish Peach</li>
  <li>Kerry Pippin</li>
  <li>Lady's Finger</li>
  <li>Kilkenny Pearmain</li>
</ul>
```

Tip: You can try `` instead `` and see what happens!

Box model



So let's bring back our colours, and more

We have proper HTML structure, let's have now proper styling, because inline styling, for the most of the time, is considered a bad practice!

Create **styles.css** alongside **index.html** and put there:

```
nav {  
    margin-bottom: 20px;  
}  
  
article {  
    background-color: yellow;  
    padding: 20px;  
    margin-bottom: 20px;  
    border-radius: 20px;  
}  
  
h3 {  
    color: blue;  
}
```

Let's explain and link our styling file

Each **CSS** block matches the HTML tag, we do declarations of **CSS** properties inside `{ }` (curly braces)

color: will change text colour

background-color: change background colour

border-radius: make edges "rounded"

padding, margin: adds spacing

Add in each of our .html files **<link>** self-closing tag with attributes **rel**, **type** and **href** as follows:

```
<link rel="stylesheet" type="text/css" href="styles.css">
```



That's all fine, but I don't like my text - fonts!

We can tweak our style.css by adding new definition to specify **web-safe fonts** to use.

Web safe are those that are most likely to be present across various devices.

Let's try this one:

```
body {  
    font-family: Tahoma, Geneva, sans-serif;  
}
```

Some of others you can try...

- Impact, Charcoal, sans-serif
- "Comic Sans MS", cursive, sans-serif
- "Lucida Console", Monaco, monospace

Introduction to web safe fonts:

http://www.w3schools.com/cssref/css_websafe_fonts.asp

Web safe fonts style builder:

<http://www.cssfontstack.com/>



How about a little bit of scripting?

- Welcome to the JavaScript - scripting language that adds interactivity to our websites

Just before closing **</body>** tag, add...

```
<script>  
  alert("Hello World");  
</script>
```



Confirm and prompt

We can make popup dialogs more interactive. Let's try:

```
<script>  
  confirm("Do you wish to be web developer?");  
</script>
```

```
<script>  
  prompt("Please enter your name");  
</script>
```

Challenge!

Let's finally make a simple program!

```
<script>
  var answer = confirm("Do you wish to be web developer?");

  if (answer) {
    var name = prompt("Great, may I have your name?");
  }

  if (name) {
    alert("Thank you for your hard work, " + name);
  }
</script>
```


Before we go... useful resources

Learning:

- <https://www.codecademy.com> - learn HTML, CSS, JS - interactive courses
- <http://www.w3schools.com/html/> - learn HTML, CSS, JS

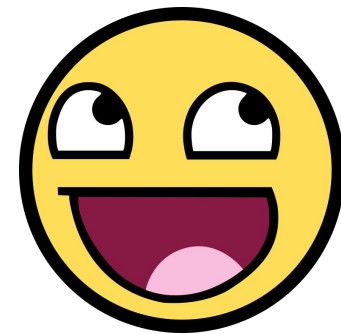
Code playgrounds:

- <http://liveweave.com/> - has autocompletion
- <http://codepen.io/> - community examples
- <http://cssdeck.com/> - community examples
- <https://jsbin.com> - simple and powerful

Cheap web hosting + domain

- <http://www.webhostingpad.com/web-hosting.html>
- <http://www.ipage.com/ipage/index.html>

Google it!



That's all, folks!

What we learned in this lesson:

- How create **lists**
- How to write proper **CSS**
- We learned few **CSS** tricks
- We know how to **change site fonts**
- Learned how to add **scripts**

