WiC

Syntax is the grammar of coding. Every language has it's own unique syntax rules that must be followed to ensure that the script will be able to exeute.

Today we will cover two beginner friendly languages.

HTML and Python

HTML CHEAT SHEET

<html tags> are made up of elements, which are described by attributes with variable values

TEXT TAGS

  emphasize italics
  emphasize bold
largest heading
smallest heading
adds paragraph text
<font size=""> determine size 1-7
<font color=""> set with name or hex
<code> </code> insert code

TABLE TAGS

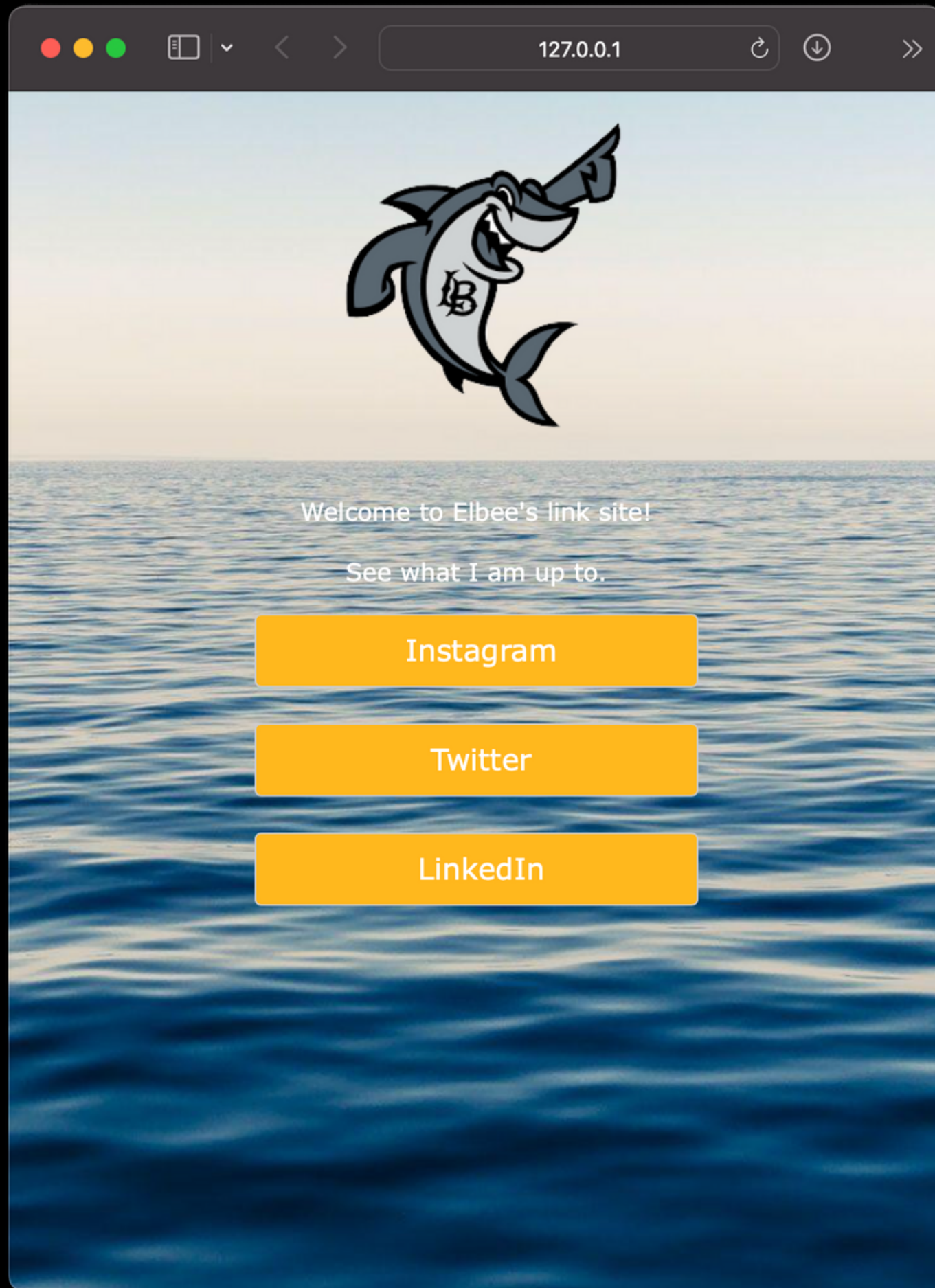| |
|---|
| <table> </table> create a table |
| <th> </th> create header row |
| <tr> </tr> create a row |
| <td> </td> create a cell |
| <table border=" "> sets table border |
| <table cellspacing=" "> sets spacing |

IMAGE TAGS

<img src="URL"> embed an image
title="" name an image
alt="" add alternate name

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HACK
TOBER
FEST
AT THE BEACH

HTML is a coding language that is used strictly for web design.
Each element is wrapped in </> arrow brackets.
HTML elements can be spaced upon different lines.

LET'S BUILD A LINK SITE

1. ACCESS OUR GITUB REPO AND FORK A COPY
2. FILL IN THE MISSING SYNTAX ELEMENTS
3. SAVE CHANGES AND PUSH YOUR ANSWERS

W*C

IMAGE TAGS: `<img src="folder/image.png">`

Within the quotes you can add a URL link
or a folder path.

Inside our repository you will find a folder
called 'photos' and an image called 'elbee.png'

```
<!-- EXERCISE ONE: ADD PROFILE PHOTO AND SET THE HEIGHT TO 200PX -->
<div class="image-container">

< _____ class="w3-margin" alt="profilepic" max-width="100%" height="____"
style="border-radius: 10%;">

<div class="w3-text-white">
<!---->
```

HINT: <img src="">
line 77

```html
<!-- EXERCISE ONE: ADD PROFILE PHOTO AND SET THE HEIGHT TO 200PX -->
<div class="image-container">

<img src="photos/elbee.png" class="w3-margin" alt="profilepic" max-width="100%" height="200px"
style="border-radius: 10%;">

<div class="w3-text-white">
<!---->
```

HINT: `<img src="">`
line 77

HTML EXERCISE 2:
add text to the page

TEXT TAGS:

<h1> This is a header. </h1>

<p> This is a paragraph. </p>

Header and Paragraph tags can be used to display text to the webpage.

You will find a Welcome Message without proper text tags

```
<!-- EXERCISE TWO: ADD PROPER TEXT TAGS -->

___Welcome to Elbee's link site!___
___See what I am up to.___


</div>
<!---->
```

HINT: header and paragraph tag
lines 85-86

HTML EXERCISE 2: SOLUTION
add text to the page

```html
<!-- EXERCISE TWO: ADD PROPER TEXT TAGS  -->

<h1>Welcome to Elbee's link site!</h1>
<p>See what I am up to.</p>


 </div>
<!---->
```

HINT: header or paragraph tags
lines 85-86

add hyperlinks to buttons

REFRENCE TAGS: href="url.com"

Within the quotes you can add a URL link to make the button responsive.

You can use your own personal links for your linktree.

```html
<!-- EXERCISE THREE: ADD HYPERLINK TO BUTTONS -->
<div class="links-container">

<a _____ class="w3-button w3-hover-pink w3-large w3-round w3-purple w3-border link" target="_blank"><i class="fab fa-instagram">
</i>Instagram</a>
 <br>

 <a_____class="w3-button w3-hover-pink w3-large w3-round w3-purple w3-border link" target="_blank"><i class="fab fa-twitter">
</i>Twitter</a>
 <br>

 <a_____class="w3-button w3-hover-pink w3-large w3-round w3-purple w3-border link" target="_blank"><i class="fa fa-code">
</i>LinkedIn</a>
 </div>
```

HINT: `<a href=""></a>`
line 94-100

```html
<!-- EXERCISE THREE: ADD HYPERLINK TO BUTTONS -->
<div class="links-container">

<a href="https://www.instagram.com/" class="w3-button w3-hover-pink w3-large w3-round w3-purple w3-border link" target="_blank"><i class="fab fa-instagram"> </i>Instagram</a>
<br>

<a href="https://www.twitter.com/" class="w3-button w3-hover-pink w3-large w3-round w3-purple w3-border link" target="_blank"><i class="fab fa-twitter"> </i>Twitter</a>
<br>

<a href="https://www.linkedin.com/" class="w3-button w3-hover-pink w3-large w3-round w3-purple w3-border link" target="_blank"><i class="fa fa-code"> </i>LinkedIn</a>
</div>
<!---->
```

HINT: `<a href=""></a>`
line 94-100

```
Rock, Paper, Scissors?
Rock

You win! Rock smashes Scissors
Type Exit to end game.

Rock, Paper, Scissors?
Paper

Tie!
Type Exit to end game.

Rock, Paper, Scissors?
Scissors

Tie!
Type Exit to end game.

Rock, Paper, Scissors?
```

LET'S PLAY ROCK, PAPER, SCISSORS!

1. ACCESS OUR GITUB REPO AND FORK A COPY
2. FILL IN THE MISSING SYNTAX ELEMENTS
3. SAVE CHANGES AND PUSH YOUR ANSWERS

PYTHON SYNTAX RULES

--> All variables should begin with a lower case letter

--> Boolean True and False are reserved words, and should always have a capital letter T or F

--> \n can be used to demote a new line.

--> Python statements must end in a colon, :

--> Parenthesis must have a start and end ( )

--> Indentation matters, if, elif, and else statements must have matched tabbing

DID YOU FIND THEM ALL?

Line 7
Computer --> computer

Lines 10, 12, 50
false --> False

Lines 17 and 18
/n --> \n

Lines 20 and 21
missing colons :

Lines 30 and 31
missing end parenthesis)

Line 36
unmatched index