

MSU x Pathlight Belize Coding Club Spring 2023

Week 3

28 January 2023



SIGSOFT



MICHIGAN STATE UNIVERSITY



PATHLIGHT BELIZE

Agenda

9:30 BZT Mentors arrive for set-up

10:05 ish BZT Welcome + Ice Breaker

10:20 BZT Spotlight

10:30 BZT Review / Lesson

11:00 BZT Break

11:05 BZT Lesson continued

11:45 BZT Standup

11:55 BZT Feedback Survey

12:00 BZT Dismiss students

Attendance

- Attendance:
 - <https://forms.gle/NXWVE67PBD1isiLr7>

Icebreaker - Escape Room

10 min.



You have 10 minutes to escape!

<https://roomescapemaker.com/u/roomescapemaker/tidybedroom>

Spotlight - IUX Writing



Formatting Text Review

- Do you remember any of the tags we learned last week?
 - How is an opening tag different from a closing tag?
 - Which tags do NOT need closing tags?
- bold: `` ``
 - italics: `<i>` `</i>`
 - underline: `<u>` `</u>`
 - paragraph: `<p>` `</p>`
 - horizontal line: `<hr>`
 - line break: `
`
 - headers from `<h1>` through `<h6>`

Links Review

opening 'a' tag



reference link



closing 'a' tag



```
<a href="https://www.usa.gov">USA.gov</a>
```



href attribute



text

[USA.gov](https://www.usa.gov)

Attributes Review

What is an attribute?

Tags have *attributes* that tell us something about the tag.

Attributes have a name and a value.

To create a link, we must add the attribute **href** to an **a** tag. The value of the href attribute is the hyperlink you want to go to. It must go inside double quotes.

`Click me!`

↑ ↑

Attribute name **Attribute value**

Click me!

CodeHS

Last week we started the lessons under Week 2

This week we'll work on the lessons under Week 3!

Head to week 3 to follow along with our lessons.

Images - New Tag!

```
<img src='image url'>
```

- What other attributes can you use in the image tag?

alt - text to display if your browser can't load the image

width - how wide to set the image size (in pixels)

height - how tall to set the image size (in pixels)

Learn with me! (Mentor Code-along)

Go to exercise **2.5.3 The `` Tag** to follow along

What happens when you change width? Height? Delete one of them? What happens if a link doesn't work? etc....

15 min



Example 1: Collage (Peer Code-Along)

Go to exercise 2.5.5: Collage on a theme

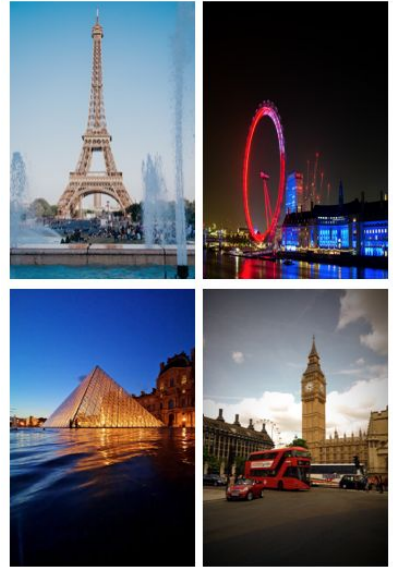
Create a 2x2 grid of images that all relate to each other. Each image should have a height of 150px and width of 100px.

Bonus challenge: create 2x3 or 3x3 grid of pictures



Solution to Example 1

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>CodeHS</title>
5   </head>
6
7   <!-- Theme is Famous European Landmarks! -->
8   <body>
9     
11     
13     <br>
14     
16     
18   </body>
19 </html>
20
```

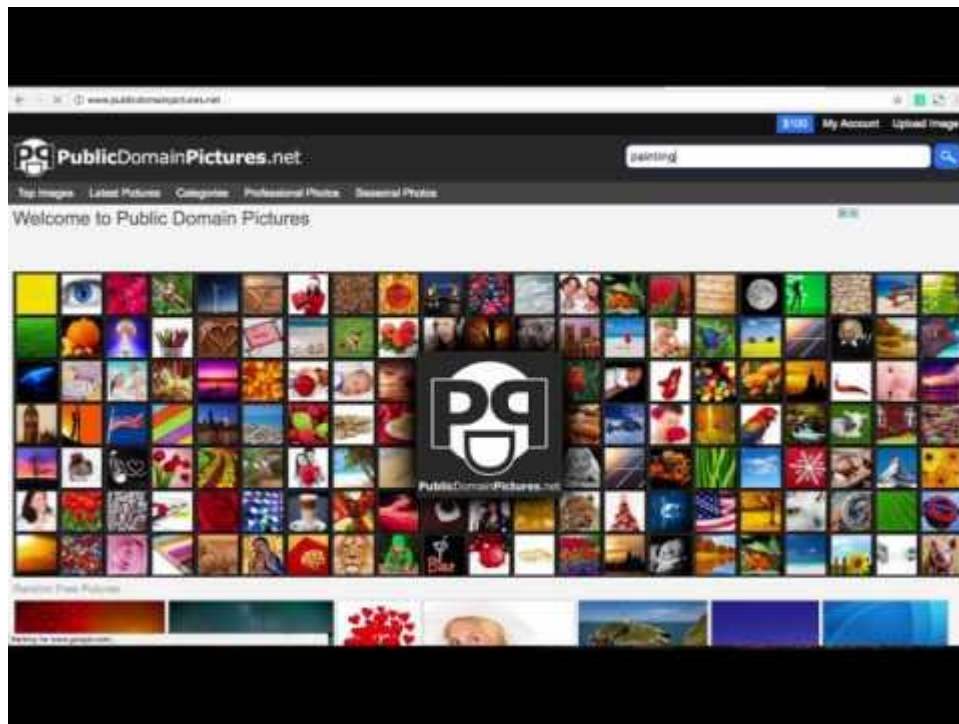


Break

Time for a break!

If anyone needs to use the bathroom or get a drink, now's the time!

Copyright

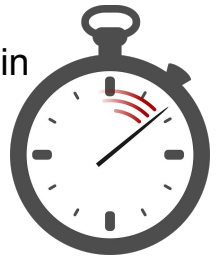


Learn with me

Go to exercise 2.6.4: Exploring Creative Commons

<https://codehs.com/student/1573853/section/379870/assignment/90443657/>

10 min



Example 2 (Peer code-along)

Go to exercise 2.6.5: Creative Commons

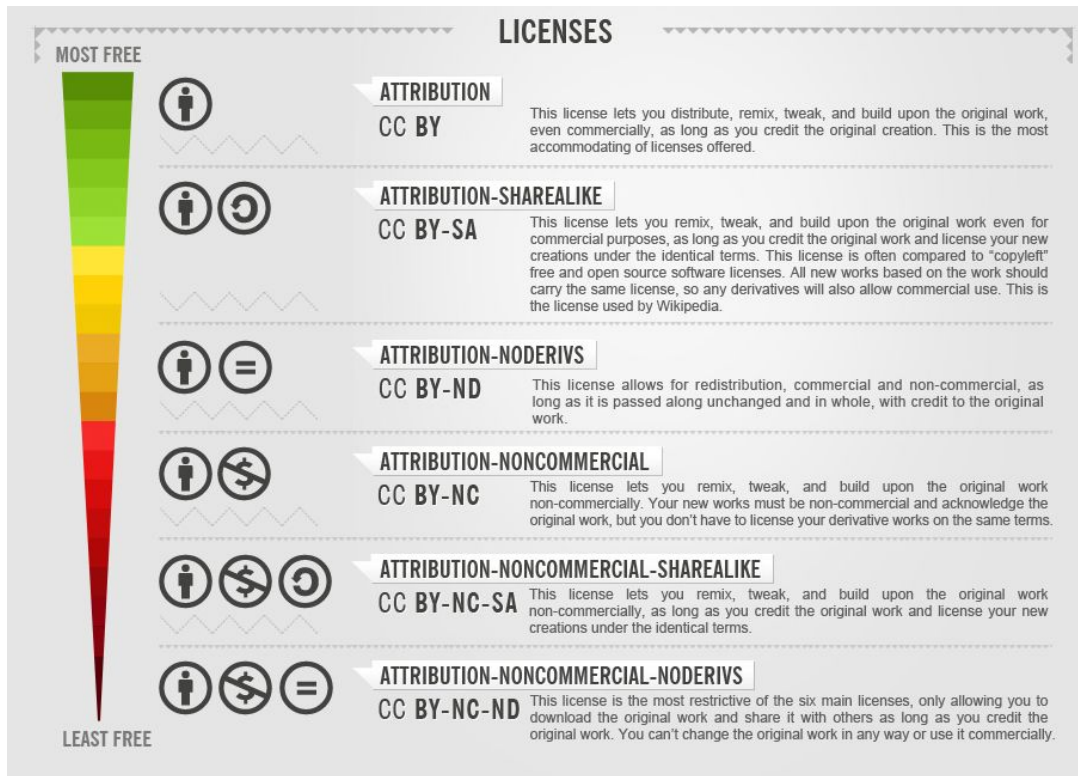
You will need to answer these questions:

Referring to the infographic, give a short description of each of the following license types in your own words.

1. CC BY
2. CC BY-SA
3. CC BY-ND
4. CC BY-NC
5. CC BY-NC-SA
6. CC BY-NC-ND

Of the six licenses, which type is the most restrictive in terms of how you can use the work? Which type is the least restrictive? Answer in complete sentences.

Solution to Example 2



Foter, CC
BY-SA 3.0
<<https://creativecommons.org/licenses/by-sa/3.0>
>, via Wikimedia
Commons

15 min



If there's time... (Peer Code-Along)

Go to exercise 2.6.7: Make a collage

Now that you know how to find and cite images you can use, create a collage containing six public domain images you found.

Even though you technically don't have to cite public domain images, put the citation in a `<p>` tag under each image. Your citation should be in the form:

Source: ArtistName. TitleOfImage. YearCreated.

SiteYouFoundItOn (URL_to_image)

For example, here is the citation from the slides:

Source: David Wagner. Trees in the Snow Painting. 2017.

PublicDomainPictures.net
(<http://www.publicdomainpictures.net/view-image.php?image=12741>)



Source: Anthony Poynton. Purple and White Blossom.
PublicDomainPictures.net
(<https://publicdomainpictures.net/pictures/230000/velka/purple-amp-white-blossom.jpg>)



Source: Sheila Brown. Purple Shamrock Flowers Close-up.
PublicDomainPictures.net
(<https://publicdomainpictures.net/pictures/280000/velka/purple-shamrock-flowers-close-up.jpg>)



Source: Jennie M. Close-Up Photo of Purple Flowers. 2019.
Pexels.com (<https://images.pexels.com/photos/2073783/pexels-photo-2073783.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=2>)

Solution to Example 3

```
  
<p>
```

```
Source: Anthony Poynton. Purple and White Blossom.<br>  
PublicDomainPictures.net (https://publicdomainpictures.net/pictures/230000/velka/purple-amp-white-blossom.jpg)
```

```
</p>  
<hr>
```

```

```

```
<p>  
Source: Sheila Brown. Purple Shamrock Flowers Close-up.<br>  
PublicDomainPictures.net (https://publicdomainpictures.net/pictures/280000/velka/purple-shamrock-flowers-close-up.jpg)
```

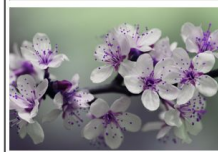
```
</p>  
<hr>
```

```

```

```
<p>  
Source: Jennie M. Close-Up Photo of Purple Flowers. 2019.<br>  
Pexels.com (https://images.pexels.com/photos/2073783/pexels-photo-2073783.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=2)
```

```
</p>  
<hr>
```



Source: Anthony Poynton. Purple and White Blossom.
PublicDomainPictures.net
(https://publicdomainpictures.net/pictures/230000/velka/purple-amp-white-blossom.jpg)



Source: Sheila Brown. Purple Shamrock Flowers Close-up.
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Mentor Feedback

Averi Justice
SGWC 2022

MY LINKS

- My Assignments
- My Notes
- Conversations
- Due Dates
- My Badges
- My Practice
- Certifications
- Announcements
- My Shared Programs
- Sandbox Quickstart
- Student Dashboard

SGWC 2022 Overview - Averi Justice

Assignments

[View All SGWC 2022 Assignments](#)

Messages (1)



Averi Justice

Grade: 0 / 5 - Need a hint? Go to `Docs` -> `Headers` to learn how to use the `<h1>` tag!

Resume



Next Assignment: Introduction to HTML

RUN CODE

TEST CASES

ASSIGNMENT

DOCS

GRADE

MORE

CURRENT GRADE

Needs Work as of Feb 02 01:17 AM

0

Out of 5

Grading History

Score: 0 out of 5

Next Step: Needs Work

Graded By: Averi Justice

Timestamp: Feb 02 01:17 AM

Feedback:

Need a hint? Go to **Docs** -> **Headers** to learn how to use the `<h1>` tag!

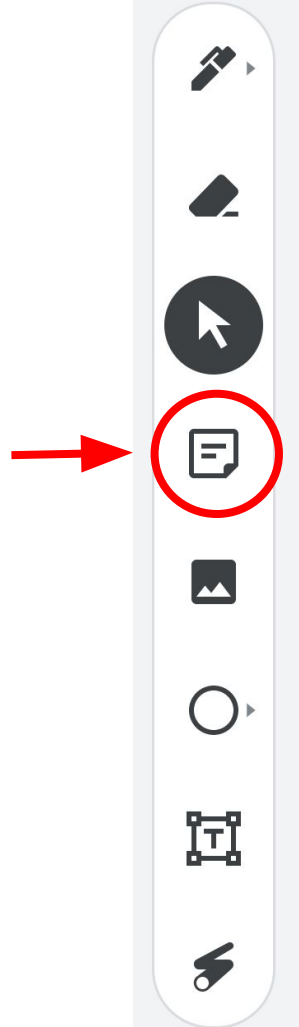
Jamboard - Stand Up

We are trying out a Jamboard for stand up this week.

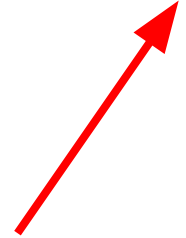
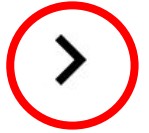
Go to the Jamboard and for each question, answer with a sticky note.

You can change the size and color of the note.

No need to put your name, these can be anonymous.



Jamboard - Stand Up



Press the arrows at the top to go through all four questions.

Make sure to put an answer down for at least two!

After a few minutes, we can go through some of the responses. Feel free to elaborate on your answer or respond to someone else's!

Jamboard - Stand Up

On a scale of 1 to 10, how are we feeling about today's lesson?

What did you enjoy doing today?

What was a challenge you faced today?

What is something you hope to learn about web development in this course?

Weekly Temperature Check

Please fill out this survey to help us
improve for next week!

[https://forms.gle/9SEF9ex5Q9mkV
bL27](https://forms.gle/9SEF9ex5Q9mkVbL27)

Bonus Hours on Thursdays 7-8 pm

Next session on Saturday 2/4

This weeks goals: finish Week 2 of CodeHS and begin Week 3!



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