Name _____ Period _____

Hyperlinks

Your Tasks

- ☐ Define key vocabulary
- ☐ Write code to create an internal link in your website
- ☐ Write code to create an external link
- ☐ Write code to create a hyperlink in a new window
- ☐ Write code to create a hyperlink to a location on the same page
- ☐ Receive credit for the group portion of this lab

☐ Define key vocabulary

hyperlink

contains an address for a destination and acts as a reference to data. A user can easily follow, jump to, and be directed to the destination by either clicking, tapping on, or hovering over the link.

href attribute

specifies the url of the page the user wants to get to.

anchor tag <a>

used to create a hyperlink on the webpage.

target attribute

specifies a name or a keyword that indicates where to display the response that is received after submitting the form.

bookmark

takes the user to a specific place in the same page.

☐ Write code to create an internal link in your website

Most websites are made up of many pages which are linked together. In our previous lesson we learned how to create a link from one page to another within a website.   Recall that to create a link requires an anchor tag <a> and a *href* attribute.   How to create a link from one page to another is illustrated below,

MyWebiste	
Index.html houses.html	

1. The <a> tag wraps the text that you want to turn into a clickable link. a is short for anchor.
2. The *href* attribute, short for hypertext reference, determines where your link should go to. In this case, houses.html.
3. The closing tag ends your link

Write code that could be used to create a link to FavThings.html from the Index.html page.	
File Structure	**Code**
MyWebsite Index.html FavThings.html	Link
MyWebsite Index.html **Files** **AboutMe** / **Videos** FavThings.html / Dog.mp4	Link
MyWebsite **Home** / **Files** Index.html / **AboutMe** FavThings.html	Link

☐ Write code to create an external link

An external link is a link to a page outside of your website. To create an external link to a page, simply replace the contents of *href* attribute with the the url of the site you want to direct your users. The text between the anchor tags (`<a> </a>`) should also be replaced with a descriptive name of the link. Below is an example,

MyWebsite	Link to external site
Index.html	`<a href="http://youtube.com" >Click here to go to YouTube!</a>`

Write code that could be used to create links to the following websites from the Index.html page.	
Website	**Code**
Netflix	`<a href = "https://netflix.com">Netflix</a>`
Reddit	`<a href = "https://reddit.com">Reddit</a>`

☐ Write code to create a hyperlink in a new window

If you want to direct your user to a link outside your current website, it is good practice to open this page in a window. You can do this using a attribute called target. By specifying the target as "_blank", you can force the link to open in a new window. Below illustrates how to do this.
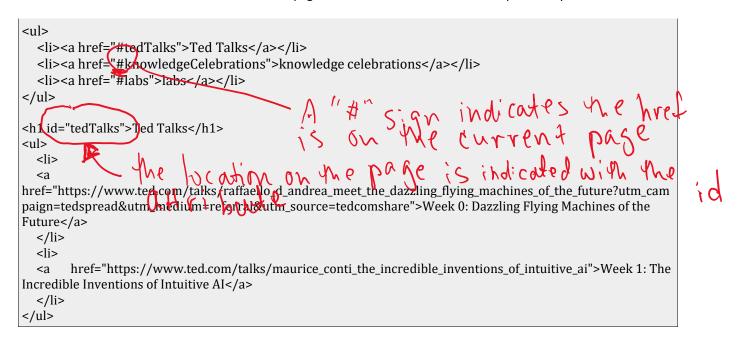

`<a href = "../index.html" target="_blank"> A link to my hyperlinks page</a>`

Write code that could be used to create links to the following websites from the Index.html page. Have each website open in a new window.

Website	Code
Espn	`<a href = "https://espn.com" target="_blank">Espn</a>`
Google	`<a href = "https://google.com" target="_blank">Google</a>`

☐ Write code to create a hyperlink to a location on the same page

Hyperlinks can also be used to navigate within a page. Links to sections within a page are also referred to as bookmarks. Consider the links below. Notice the reference for each link is proceeded by the *#* sign. This tells the browser that the reference is to the current page. The location of the reference is specified by the *id* attribute.

```
<ul>
   <li><a href="#tedTalks">Ted Talks</a></li>
   <li><a href="#knowledgeCelebrations">knowledge celebrations</a></li>
   <li><a href="#labs">labs</a></li>
</ul>

<h1 id="tedTalks">Ted Talks</h1>
<ul>
   <li>
   <a
href="https://www.ted.com/talks/raffaello_d_andrea_meet_the_dazzling_flying_machines_of_the_future?utm_campaign=tedspread&utm_medium=referral&utm_source=tedcomshare">Week 0: Dazzling Flying Machines of the Future</a>
   </li>
   <li>
   <a      href="https://www.ted.com/talks/maurice_conti_the_incredible_inventions_of_intuitive_ai">Week 1: The Incredible Inventions of Intuitive AI</a>
   </li>
</ul>
```

A "#" sign indicates the href is on the current page

the location on the page is indicated with the attribute

id

Consider a webpage with the following sections, "My Hobbies", "Proudest moments", "Favorite vacations". Rewrite the code between the <body></body> tags so that the items listed under the *Menu* heading link to the correct locations on the page.

```
<!DOCTYPE html>
<html>
 <head>
 </head>
 <body>
  <h1>Menu</h1>
  <ul>
    <li>Favorite things</li>
    <li>Proudest moments</li>
    <li>Favorite places</li>
  </ul>

  <h1> Favorite things</h1>


  <h1> Proudest moments </h1>


  <h1> Favorite places</h1>

 </body>
</html>
```

```
<li><a href = "#things">Favorite things </a></li>

<li><a href= "#moments">Proudest moments,/a></li>

<li><a href = "#places">Favorite places</a></li>




<h1 id="things">Favorite things</h1>



<h1 id="moments">Proudest moments</h1>


<h1 id="places>Favorite places</h1>
```

☐ **Receive Credit for this lab guide**

Submit this portion of the lab to Pluska to receive credit for the lab guide.