IST 363

# Lab 03

## Lab Corrections

1. n/a

## warmup

You may not use artificial intelligence to answer the questions below.

1. 1. Why would a developer choose SASS over plain CSS?
      1. If there are certain aesthetics that a developer wants to repeatedly use within their developments, SASS allows a developer to group together certain code to then be more efficiently used over and over
   2. Using the syr.edu home page, give an example where syr.edu could use a SASS variable. Give me the SASS code and a brief statement of how a variable would be helpful.
      1. $background\_color: #ffffff; background-color: $background\_color;
      2. Given that several sections, such as nav and various parts of the body, have white backgrounds, this could be an easy way to continuously add the same color into the background, especially when breaking up a lot of the page
   3. Using the syr.edu home page, find an example of where you could use nesting to replace a descendant selector (you may have to view the source code for this). Give me the SASS code and a brief statement of how a variable would be helpful.
      1. \*the pause button on the home page video in top right\*
      2. button a {color: #ffffff; } 🡪 button {

{ a color: #ffffff }

}

* + 1. Breaking up this code is helpful to specify that the white is being applied to whatever the a link is connected to
  1. Using the syr.edu home page, find an example of where you could use a mixin. Give me the SASS code and a brief statement of how a variable would be helpful.
     1. The border and color of many buttons on the page are the same, so could change to:

@mixin button {

border-width: 5px;

background-color: #161050; }

There are many buttons with the same look, so using mixin for border width and background color (and more) is a helpful tool

* 1. Using the syr.edu home page, find an example of where you could use an extend. Give me the SASS code and a brief statement of how a variable would be helpful.
     1. The syr.edu page has several buttons linking helpful secondary pages, such as “Visit” and “Request Info.” They are all styled the same in many ways throughout the page, but some have different font and background colors on the page.

%button-base

{ font-size: 16px;

font-weight: bold;

border-radius: 5px;   
}

.GoInside-button { @extend %button-base;

color: white;

background-color: #000080; }

.Exploreathletics-button { @extend %button-base;

color: #000080;

background-color: #FFFFFF; }

## SASS Page

1. https://elliemalcolm.github.io/ist363/lab03/index