JAVASCRIPT LABS

TO GET STARTED:

- Right click on jsintro.html and select copy.
- Right click on the root folder and select paste.
- Rename the file to be jsLabs.html
- Update the head section and the navbar as necessary.
- Update the text in the Jumbotron to say JavaScript Labs
- Delete all existing articles inside of the <div class="row"> that is in the <main>
- Create a new JavaScript file inside of the js folder called labcode.js
- Update the script links at the bottom of the jsLabs.html file so that you are no longer linking to the main.js and are linking to the labcode.js script.
- Add a new <article> for all necessary HTML for each lab on jsLabs.html.
- Write all necessary JavaScript on the labcode.js script file.

MAD LIBS
Accept the following inputs from a user and on submit insert them into the appropriate place in the story text and display the content to the user. Collect the following words: Foreign country Adjective Animal Verb Place Type of liquid If you are traveling in **[Foreign country]** and find yourself having to cross a piranha-filled river, here's how to do it safely. Piranhas are more **[Adjective]** during the day, so cross the river at night. Avoid areas with netted **[Animal]** traps – piranhas may be waiting there looking to **[Verb]** them! Piranhas are attracted to fresh **[Type of liquid]** and will migrate to it as often as possible. Whatever you do, if you have an open wound, try to find another way to get back to the **[Place]**.
MULTIPLES
Using a loop display all the multiples of 7 from 1-30 (Ex: 7, 14, 21, etc).
CELSIUS CONVERTER

Allow a user to enter a Celsius temperature. On submit convert the temperature to Fahrenheit using the following formula to display the result.

Celsius to Fahrenheit = Celsius temperature * 9 / 5 + 32

AREA CALCULATOR

Create calculators to figure out the area of the following shapes using the related formulas.

Square = height * width
Triangle = (height*width)/2
Circle = 3.14 * radius * radius

RING AREA CALCULATOR

Allow a user to enter the outer radius and the inner radius of a ring. Use those radii to calculate and display the area of the ring using the formulas below.

Area of a circle = 3.14 * radius * radius
Area of a ring = Area of outer circle – area of inner circle
OR
Area of a ring = $3.14(r1^2-r2^2)$

CHANGE LAB

Allow a user to tell you an amount of money they have and then tell them how much that would be in quarters, dimes, nickels and pennies. NOTE: Google the Math.floor() and Math.round() methods for help in completing this lab.

CALCULATOR

Allow a user to enter two numbers and to select one of the following arithmetic operations: add, subtract, multiply, divide. Return the answer of the two numbers based on which operation button they clicked.

CALCULATOR (ADVANCED)

Allow a user to enter two numbers and to select one of the following arithmetic operations: add, subtract, multiply, divide. Return the answer of the two numbers based on which operation button they clicked. Complete the lab creating only one function that will calculate the correct answer regardless of which operation is selected. NOTE: Google a JavaScript Switch/Case statement for help completing this lab.