

Mission 4 Review Kahoot Questions

Definition of "RGB"	<ul style="list-style-type: none"> a. tiny dots used to display images and text on a screen b. A way to reference elements in a list or tuple c. the colors that make up a single pixel d. a list with values that don't change
Definition of "PIXEL"	<ul style="list-style-type: none"> a. tiny dots used to display images and text on a screen b. A way to reference elements in a list or tuple c. the colors that make up a single pixel d. a list with values that don't change
Definition of "TUPLE"	<ul style="list-style-type: none"> a. tiny dots used to display images and text on a screen b. A way to reference elements in a list or tuple c. the colors that make up a single pixel d. a list with values that don't change
Definition of "INDEX"	<ul style="list-style-type: none"> a. tiny dots used to display images and text on a screen b. A way to reference elements in a list or tuple c. the colors that make up a single pixel d. a list with values that don't change
What is the index of the first NeoPixel?	<ul style="list-style-type: none"> a. 0 b. 1 c. 7 d. 8
What is the index of the last NeoPixel?	<ul style="list-style-type: none"> a. 0 b. 1 c. 7 d. 8
What is each pixel made up of?	<ul style="list-style-type: none"> a. 4 LEDs b. 3 LEDs c. 3 colors d. Switches and circuits
What data type is used for defining a color?	<ul style="list-style-type: none"> a. int b. string c. tuple d. list
What code assigns a tuple data type?	<ul style="list-style-type: none"> a. <code>rgb_color = (0, 20, 0)</code> b. <code>rgb_color = GREEN</code> c. <code>rgb_color = [0, 20, 0]</code> d. <code>rgb_color = randint(0, 20)</code>
Which statement about tuples and lists is FALSE.	<ul style="list-style-type: none"> a. Values in a list can change, but in a tuple they cannot b. A tuple and a list are data types c. A tuple and a list can hold multiple values d. A tuple and a list are defined with parenthesis ()
How many brightness levels are available for each pixel color?	<ul style="list-style-type: none"> a. 10 b. 100 c. 255 d. 256

In the range of colors, which number indicates the LED is off?	<ul style="list-style-type: none"> a. -1 b. 0 c. 100 d. 255
In the range of colors, which number indicates full brightness?	<ul style="list-style-type: none"> a. 0 b. 100 c. 255 d. 256
Given the code, what is the possible range of numbers for "num"? <pre>num = randint(5, 20)</pre>	<ul style="list-style-type: none"> a. 5 to 20 b. 5 to 19 c. 6 to 20 d. 6 to 19
Given the code, how many times will the loop execute? <pre>def set_all_pixels(rgb_color): for pixel in range(4): np[pixel] = rgb_color</pre>	<ul style="list-style-type: none"> a. 3 b. 4 c. 5 d. 8
Given the code, what is the parameter? <pre>def set_all_pixels(rgb_color): for pixel in range(4): np[pixel] = rgb_color</pre>	<ul style="list-style-type: none"> a. rgb_color b. pixel c. range(4) d. np
Given the code, what is the loop variable? <pre>def set_all_pixels(rgb_color): for pixel in range(4): np[pixel] = rgb_color</pre>	<ul style="list-style-type: none"> a. rgb_color b. pixel c. range(4) d. np
Given the code, what is used as the index? <pre>def set_all_pixels(rgb_color): for pixel in range(4): np[pixel] = rgb_color</pre>	<ul style="list-style-type: none"> a. rgb_color b. pixel c. range(4) d. np
Given the code, what is the percent failure rate? <pre>def is_lock_failed(): return randint(0, 99) < 40</pre>	<ul style="list-style-type: none"> a. 15% b. 25% c. 40% d. 60%
What is used to track whether the microswitch was pressed?	<ul style="list-style-type: none"> a. switch = exp.digital_in(exp.PORT3) b. is_lock_failed() c. was_pressed = False d. switch.value == POWER_ON