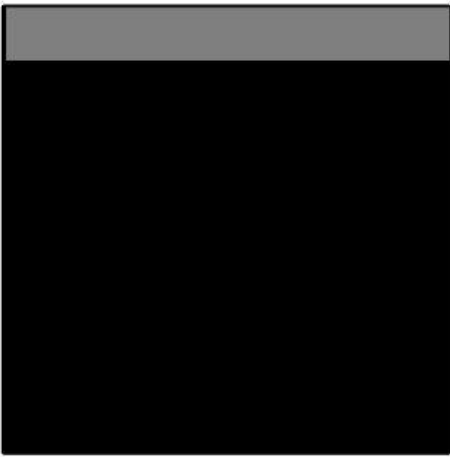
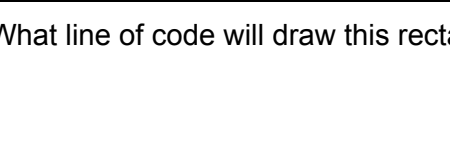
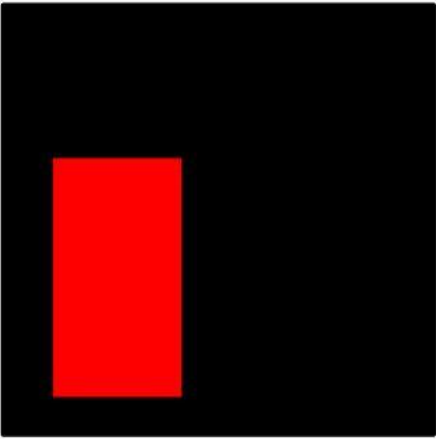
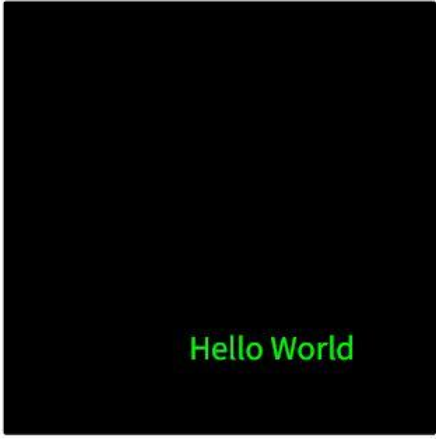


Links to Kahoots and Unit Tests

Mission 13 Objectives 1-6	<a href="https://create.kahoot.it/share/firia-labs-mission-13-obj-1-6/e367f188-3f89-48a2-ae87-453d43d4e612">https://create.kahoot.it/share/firia-labs-mission-13-obj-1-6/e367f188-3f89-48a2-ae87-453d43d4e612</a>
Mission 13 Objectives 7-11	<a href="https://create.kahoot.it/share/firia-labs-mission-13-obj-7-11/348820b1-3d5f-4f37-a913-d352eed86540">https://create.kahoot.it/share/firia-labs-mission-13-obj-7-11/348820b1-3d5f-4f37-a913-d352eed86540</a>
Mission 14 Objectives 1-5	<a href="https://create.kahoot.it/share/firia-labs-mission-14-obj-1-5/d03517f5-7bef-4be0-a945-2bfedac5cfd8">https://create.kahoot.it/share/firia-labs-mission-14-obj-1-5/d03517f5-7bef-4be0-a945-2bfedac5cfd8</a>
Mission 14 Objectives 6-9 & review	<a href="https://create.kahoot.it/share/firia-labs-mission-14-obj-6-9-review/dc78e7f2-af3e-4761-b2b2-d24d8687eb67">https://create.kahoot.it/share/firia-labs-mission-14-obj-6-9-review/dc78e7f2-af3e-4761-b2b2-d24d8687eb67</a>
Unit 4 Vocabulary Review	<a href="https://create.kahoot.it/share/firia-labs-unit-4-vocabulary/520c4d1e-5092-4289-aa05-741f93f3c5ca">https://create.kahoot.it/share/firia-labs-unit-4-vocabulary/520c4d1e-5092-4289-aa05-741f93f3c5ca</a>
Unit 4 Coding and Concepts Review	<a href="https://create.kahoot.it/share/firia-labs-unit-4-coding-review/0a6d8d7f-f70d-4a37-b2cb-54d886b10ea4">https://create.kahoot.it/share/firia-labs-unit-4-coding-review/0a6d8d7f-f70d-4a37-b2cb-54d886b10ea4</a>
Unit 4 Vocabulary Test (MS Form)	<a href="https://forms.office.com/Pages/ShareFormPage.aspx?id=DQSlkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAO__SjBvJpUNUFQUIMWjNVWjJTMktGRjFWQ1VEQkNZOS4u&amp;sharetoken=U3XfAXSIHbayO9AgfW1v">https://forms.office.com/Pages/ShareFormPage.aspx?id=DQSlkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAO__SjBvJpUNUFQUIMWjNVWjJTMktGRjFWQ1VEQkNZOS4u&amp;sharetoken=U3XfAXSIHbayO9AgfW1v</a>
Unit 4 Coding and Concepts Test (MS Form)	<a href="https://forms.office.com/Pages/ShareFormPage.aspx?id=DQSlkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAO__SjBvJpUMksyRkNBSTNXMDExSUtFMVhZVjhMR0ZLUy4u&amp;sharetoken=fzne45i2E4EsdjkAE4Qi">https://forms.office.com/Pages/ShareFormPage.aspx?id=DQSlkWdsW0yxEjajBLZtrQAAAAAAAAAAAAAO__SjBvJpUMksyRkNBSTNXMDExSUtFMVhZVjhMR0ZLUy4u&amp;sharetoken=fzne45i2E4EsdjkAE4Qi</a>

Mission 13 Review Kahoot #1

Mission 13 - Sounds Fun (Objectives 1-6)	
<p>What line of code will draw this rectangle:</p> 	<p>a) <code>display.draw_rect(0, 0, 30, 240, LIGHT_GRAY)</code>  <b>b) <code>display.fill_rect(0, 0, 240, 30, LIGHT_GRAY)</code></b>            c) <code>display.draw_line(0, 0, 240, 30, LIGHT_GRAY)</code>            d) <code>display.fill_rect(0, 0, 30, 240, LIGHT_GRAY)</code></p>
<p>What line of code will draw this rectangle:</p> 	<p><b>a) <code>display.fill_rect(20, 100, 50, 130, RED)</code></b>            b) <code>display.fill_rect(100, 20, 50, 130, RED)</code>            c) <code>display.draw_rect(50, 50, 100, 100, RED)</code>            d) <code>display.draw_line(20, 100, 50, 130, RED)</code></p>

	
<p>What line of code will draw this text:</p> 	<ul style="list-style-type: none"><li>a) <code>display.draw_text("Hello World", 40, 200, GREEN)</code></li><li>b) <code>display.draw_text("Hello World", x=40, y=200)</code></li><li>c) <code>display.draw_text("Hello World", x=200, y=75, color=GREEN)</code></li><li>d) <code>display.draw_text("Hello World", x=75, y=200, color=GREEN, scale=3)</code></li></ul>
<p>What will this command do?</p> <pre>display.draw_text("Hello World", x=100, y=120)</pre>	<ul style="list-style-type: none"><li>a) Display "Hello World" in the upper left corner</li><li>b) Display "Hello World" in the lower right corner</li><li>c) Display "Hello World" near the middle of the screen</li><li>d) Cause an error because color and scale are missing</li></ul>
<p>What is the final value of number?</p> <pre>number = min(5, 2)</pre>	<ul style="list-style-type: none"><li>a) 5</li><li>b) 2</li><li>c) 52</li><li>d) An integer between 2 and 5</li></ul>
<p>What is the final value of number?</p> <pre>index = 3 index = index + 1 number = max(index, 2)</pre>	<ul style="list-style-type: none"><li>a) 2</li><li>b) 3</li><li>c) 4</li><li>d) 6</li></ul>
<p>Which line of code is an example of initialization?</p>	<ul style="list-style-type: none"><li>a) <code>sum = 0</code></li><li>b) <code>number = random.randrange(10)</code></li><li>c) <code>sum = sum + number</code></li><li>d) <code>def get_number():</code></li></ul>

<pre>sum = 0  def get_number():     if buttons.was_pressed(BTN_A):         number = random.randrange(10)         sum = sum + number</pre>	
<p>Which line of code defines a global variable?</p> <pre>sum = 0  def get_number():     if buttons.was_pressed(BTN_A):         number = random.randrange(10)         sum = sum + number</pre>	<p>a) <b>sum = 0</b>  b) number = random.randrange(10)  c) sum = sum + number  d) def get_number():</p>
<p>Which line of code defines a local variable?</p> <pre>sum = 0  def get_number():     if buttons.was_pressed(BTN_A):         number = random.randrange(10)         sum = sum + number</pre>	<p>a) sum = 0  b) <b>number = random.randrange(10)</b>  c) sum = sum + number  d) def get_number():</p>
<p>What is needed to fix the error that occurs in this code?</p> <pre>sum = 0  def get_number():     if buttons.was_pressed(BTN_A):         number = random.randrange(10)         sum = sum + number</pre>	<p>a) Change the last line to sum = sum - number  b) Add if statement before sum = sum + number  c) Move sum = 0 inside the function  d) <b>Add global sum in the function</b></p>

### Mission 13 Review Kahoot #2

Mission 13 - Sounds Fun (Objectives 7-11)	
<p>What code is needed in order to use non-blocking sound functions?</p>	<p>a) Use a while True: loop  b) Use a for loop  c) <b>Import the soundlib module</b>  d) Import the time module</p>
<p>What line of code will set a violin tone from the soundlib module?</p>	<p>a) <b>sweet_tone = soundmaker.get_tone('violin')</b>  b) set soundmaker.get_tone('violin')  c) sweet_tone = soundlib.get_tone('violin')  d) violin = soundmaker.get_tone(soundlib)</p>
<p>What function will ramp the current pitch to a new setting over a duration?</p>	<p>a) sweet_tone.play(new_pitch, duration)  b) <b>sweet_tone.glide(new_pitch, duration)</b>  c) sweet_tone.set_pitch(new_pitch, duration)</p>

	d) <code>sweet_tone.move(new_pitch, duration)</code>
What does the first line of a for loop look like that will execute 5 times?	<ul style="list-style-type: none"> <li>a) <code>for i in range(5):</code></li> <li>b) <code>for i in range(4):</code></li> <li>c) <code>for i in range(5 times):</code></li> <li>d) <code>for i in loop(5):</code></li> </ul>
What is displayed by the following code: <pre>for i in range(5):     print(i, end=",")</pre>	<ul style="list-style-type: none"> <li>a) 1, 2, 3, 4</li> <li>b) 0, 1, 2, 3, 4, 5</li> <li>c) 1, 2, 3, 4, 5</li> <li>d) 0, 1, 2, 3, 4</li> </ul>
What is displayed by the following code: <pre>for i in range(1, 6, 2):     print(i, end=",")</pre>	<ul style="list-style-type: none"> <li>a) 1, 2, 3, 4, 5</li> <li>b) 1, 3, 5</li> <li>c) 1, 2, 3, 4, 5, 6</li> <li>d) 2, 4, 6</li> </ul>
What is a blocking function?	<ul style="list-style-type: none"> <li>a) A function composed of blocks</li> <li>b) A function that creates a 2D shape</li> <li>c) A function that blocks program execution until the function is finished</li> <li>d) A function that doesn't make the code wait for the function to finish</li> </ul>
Which is a blocking function?	<ul style="list-style-type: none"> <li>a) <code>siren = soundmaker.get_tone('trumpet')</code></li> <li>b) <code>siren.play()</code></li> <li>c) <code>siren.glide(440, 1.5)</code></li> <li>d) <code>time.sleep(5)</code></li> </ul>
Which is a non-blocking function?	<ul style="list-style-type: none"> <li>a) <code>time.sleep(1.5)</code></li> <li>b) <code>soundmaker.get_mp3('sounds/roll')</code></li> <li>c) <code>audio.mp3('sounds/roll')</code></li> <li>d) <code>audio.pitch(520, 1.5)</code></li> </ul>
What is the final value of "init"? <pre>init = True init = not init init = not init</pre>	<ul style="list-style-type: none"> <li>a) True</li> <li>b) False</li> <li>c) 2</li> <li>d) An error occurs</li> </ul>

Mission 14 Review Kahoot #1

Mission 14 - Line Art (Objectives 1-5)	
What is the screen size of the CodeX LCD?	<ul style="list-style-type: none"> <li>a) 120 x 120 pixels</li> <li>b) 100 x 100 pixels</li> <li>c) 240 x 240 pixels</li> <li>d) Depends on the button press</li> </ul>
What is the result of this line of code: <pre>display.set_pixel(50, 120, WHITE)</pre>	<ul style="list-style-type: none"> <li>a) Turns a pixel white near the top center of the LCD</li> <li>b) Turns a pixel white near the bottom center of the LCD</li> <li>c) Turns a pixel white near the left center of the LCD</li> <li>d) Returns the tuple (255, 255, 255)</li> </ul>
What is the result of this code:	<ul style="list-style-type: none"> <li>a) Turns a pixel black at the center of the LCD</li> <li>b) Returns the tuple (0, 0, 0)</li> </ul>

<pre>display.fill(BLACK) display.get_pixel(120, 120)</pre>	<p>c) Returns the tuple (255, 255, 255) d) Causes an error because it is missing a parameter</p>
<p>Given the code, which is an example of a magic number?</p> <pre>GRID = 10 x_center = 120 y_center = int(display.height / 2)</pre>	<p>a) GRID b) x_center c) 120 d) display.height</p>
<p>How do you convert a float to an integer?</p>	<p>a) int(5.0 / 2) b) float(6 / 2) c) convert(120.0) d) str(120.0)</p>
<p>What error is caused by the code:</p> <pre>x_center = display.width / 2 display.set_pixel(x_center, 120, RED)</pre>	<p>a) Index out of range b) x_center is not defined c) Invalid syntax d) Can't convert float to int</p>
<p>What is the result of this code?</p> <pre>for x in range(display.width):     display.set_pixel(x, y_center, RED)</pre>	<p>a) Draws a vertical line with pixels down the center b) Draws a horizontal line with pixels in the middle c) Draws a diagonal line from top left to lower right d) Displays 120 pixels in RED</p>
<p>How many times will i be printed?</p> <pre>for i in range(5):     print(i)</pre>	<p>a) 1 b) 4 c) 5 d) None - it has an error</p>
<p>How many times will i be printed?</p> <pre>for i in range(1, 6, 2):     print(i)</pre>	<p>a) 1 b) 5 c) 6 d) 3</p>
<p>How many times will j be printed?</p> <pre>for i in range(3):     for j in range(2):         print(j)</pre>	<p>a) 6 b) 5 c) 3 d) 2</p>

## Mission 14 Review Kahoot #2

Mission 14 - Line Art (Objectives 1-9) full review	
<p>What is the result of this code?</p> <pre>for y in range(0, display.height, GRID):     for x in range(0, display.width, GRID):         display.set_pixel(x, y, WHITE)</pre>	<p>a) Draws a row of lines across the LCD b) Draws a grid of pixels on the LCD c) Draws random pixels all over the LCD d) Changes the LCD from BLACK to WHITE</p>

<p>What code will draw a vertical line down the center of the LCD?</p>	<ul style="list-style-type: none"> <li>a) <code>display.draw_line(0, y_center, display.width, y_center, RED)</code></li> <li>b) <code>display.draw_line(x_center, 0, x_center, display.height, RED)</code></li> <li>c) <code>display.draw_line(0, 0, display.width, display.height, RED)</code></li> <li>d) <code>display.draw_rect(0, 0, display.width, display.height, RED)</code></li> </ul>
<p>What line of code will draw a box around the boundaries of the LCD?</p>	<ul style="list-style-type: none"> <li>a) <code>display.draw_rect(0, y_center, display.width, y_center, RED)</code></li> <li>b) <code>display.draw_rect(x_center, 0, x_center, display.height, RED)</code></li> <li>c) <code>display.draw_line(0, 0, display.width, display.height, RED)</code></li> <li>d) <code>display.draw_rect(0, 0, display.width, display.height, RED)</code></li> </ul>
<p>What is the result of this code?</p> <pre> WEB_SPACING = 10 for i in range(0, 240, WEB_SPACING):     display.draw_line(0, i, i, 239, RED) </pre>	<ul style="list-style-type: none"> <li>a) Will draw a web with spacing of 10 pixels</li> <li>b) Will draw a web with spacing of 20 pixels</li> <li>c) Will draw a diagonal line of red pixels</li> <li>d) Will cause an error with too many parameters</li> </ul>
<p>What function can be used to return the range of y values?</p>	<ul style="list-style-type: none"> <li>a) <code>Display.width</code></li> <li>b) <code>Display.height</code></li> <li>c) <code>Display.x_range</code></li> <li>d) <code>Display.y_range</code></li> </ul>
<p>What is the FIRST number printed on the console with this code:</p> <pre> for i in range(5):     print(i) </pre>	<ul style="list-style-type: none"> <li>a) 0</li> <li>b) 1</li> <li>c) 4</li> <li>d) 5</li> </ul>
<p>What is the LAST number printed on the console with this code:</p> <pre> for i in range(5):     print(i) </pre>	<ul style="list-style-type: none"> <li>a) 0</li> <li>b) 1</li> <li>c) 4</li> <li>d) 5</li> </ul>
<p>How many times will the outer loop execute?</p> <pre> for d in range(0, 240, 20):     for x in range(d, d + 10):         display.set_pixel(x, 120, WHITE) </pre>	<ul style="list-style-type: none"> <li>a) 240</li> <li>b) 120</li> <li>c) 12</li> <li>d) 20</li> </ul>
<p>How many times will the inner loop execute each time it is run?</p> <pre> for d in range(0, 240, 20):     for x in range(d, d + 10):         display.set_pixel(x, 120, WHITE) </pre>	<ul style="list-style-type: none"> <li>a) 1</li> <li>b) 20</li> <li>c) 12</li> <li>d) 10</li> </ul>
<p>How many pixels long is each dash?</p>	<ul style="list-style-type: none"> <li>a) 240 pixels</li> </ul>

```

for d in range(0, 240, 20):
    for x in range(d, d + 10):
        display.set_pixel(x, 120, WHITE)

```

- b) 120 pixels
- c) 10 pixels
- d) 20 pixels

Unit 4 Vocabulary Review (and test questions, with order of choices changed)

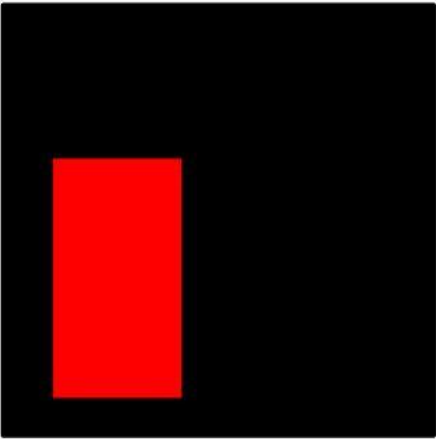

User Interface	<ul style="list-style-type: none"> <li>a) Graphics bits – an object that can hold a 2D image of a given width and height</li> <li>b) The area where a person interacts with a physical device, often through a screen</li> <li>c) Tiny dots that make up images, short for “picture element”</li> <li>d) Functions for creating music and sound effects, including different types of tones</li> </ul>
Bitmap	<ul style="list-style-type: none"> <li>a) Graphics bits – an object that can hold a 2D image of a given width and height</li> <li>b) The area where a person interacts with a physical device, often through a screen</li> <li>c) Tiny dots that make up images, short for “picture element”</li> <li>d) Functions for creating music and sound effects, including different types of tones</li> </ul>
Soundlib module	<ul style="list-style-type: none"> <li>a) Graphics bits – an object that can hold a 2D image of a given width and height</li> <li>b) The area where a person interacts with a physical device, often through a screen</li> <li>c) Tiny dots that make up images, short for “picture element”</li> <li>d) Functions for creating music and sound effects, including different types of tones</li> </ul>
Pixel	<ul style="list-style-type: none"> <li>a) Graphics bits – an object that can hold a 2D image of a given width and height</li> <li>b) The area where a person interacts with a physical device, often through a screen</li> <li>c) Tiny dots that make up images, short for “picture element”</li> <li>d) Functions for creating music and sound effects, including different types of tones</li> </ul>
Local variable	<ul style="list-style-type: none"> <li>a) A curve created by straight lines moving down and across a grid</li> <li>b) A variable defined outside a function and can be accessed anywhere in the code</li> <li>c) Numbers that just appear in code without an explanation</li> <li>d) A variable defined inside a function and only exists while the function is running</li> </ul>
Global variable	<ul style="list-style-type: none"> <li>a) A curve created by straight lines moving down and across a grid</li> <li>b) A variable defined outside a function and can be</li> </ul>

	<p>accessed anywhere in the code</p> <ul style="list-style-type: none"> <li>c) Numbers that just appear in code without an explanation</li> <li>d) A variable defined inside a function and only exists while the function is running</li> </ul>
Magic number	<ul style="list-style-type: none"> <li>a) A curve created by straight lines moving down and across a grid</li> <li>b) A variable defined outside a function and can be accessed anywhere in the code</li> <li>c) Numbers that just appear in code without an explanation</li> <li>d) A variable defined inside a function and only exists while the function is running</li> </ul>
Envelope	<ul style="list-style-type: none"> <li>a) A curve created by straight lines moving down and across a grid</li> <li>b) A variable defined outside a function and can be accessed anywhere in the code</li> <li>c) Numbers that just appear in code without an explanation</li> <li>d) A variable defined inside a function and only exists while the function is running</li> </ul>
Initialization	<ul style="list-style-type: none"> <li>a) Set the initial or first value of a global variable when the program starts</li> <li>b) A variable used in a condition that determines when a loop will end</li> <li>c) A specific value, like 120</li> <li>d) Flip the state of a variable from True to False or False to True</li> </ul>
Toggle	<ul style="list-style-type: none"> <li>a) Set the initial or first value of a global variable when the program starts</li> <li>b) A variable used in a condition that determines when a loop will end</li> <li>c) A specific value, like 120</li> <li>d) Flip the state of a variable from True to False or False to True</li> </ul>
Literal	<ul style="list-style-type: none"> <li>a) Set the initial or first value of a global variable when the program starts</li> <li>b) A variable used in a condition that determines when a loop will end</li> <li>c) A specific value, like 120</li> <li>d) Flip the state of a variable from True to False or False to True</li> </ul>
For loop	<ul style="list-style-type: none"> <li>a) A loop inside a loop</li> <li>b) Repeating code across a range of numbers</li> <li>c) A function that doesn't make your code wait for the function to finish</li> <li>d) A function that makes your code wait until it is finished before continuing execution</li> </ul>
Blocking function	<ul style="list-style-type: none"> <li>a) A loop inside a loop</li> </ul>



	<ul style="list-style-type: none"> <li>b) Repeating code across a range of numbers</li> <li>c) A function that doesn't make your code wait for the function to finish</li> <li>d) A function that makes your code wait until it is finished before continuing execution</li> </ul>
Non-blocking function	<ul style="list-style-type: none"> <li>a) A loop inside a loop</li> <li>b) Repeating code across a range of numbers</li> <li>c) A function that doesn't make your code wait for the function to finish</li> <li>d) A function that makes your code wait until it is finished before continuing execution</li> </ul>
Nested for loop	<ul style="list-style-type: none"> <li>a) A loop inside a loop</li> <li>b) Repeating code across a range of numbers</li> <li>c) A function that doesn't make your code wait for the function to finish</li> <li>d) A function that makes your code wait until it is finished before continuing execution</li> </ul>

#### Unit 4 Coding and Concepts Review

<p>What line of code will draw this rectangle:</p> 	<ul style="list-style-type: none"> <li>a) <code>display.fill_rect(20, 100, 50, 130, RED)</code></li> <li>b) <code>display.fill_rect(100, 20, 50, 130, RED)</code></li> <li>c) <code>display.draw_rect(50, 50, 100, 100, RED)</code></li> <li>d) <code>display.draw_line(20, 100, 50, 130, RED)</code></li> </ul>
<p>What line of code will draw this text:</p> 	<ul style="list-style-type: none"> <li>a) <code>display.draw_text("Hello World", 40, 200, GREEN)</code></li> <li>b) <code>display.draw_text("Hello World", x=40, y=200)</code></li> <li>c) <code>display.draw_text("Hello World", x=200, y=75, color=GREEN)</code></li> <li>d) <code>display.draw_text("Hello World", x=75, y=200, color=GREEN, scale=3)</code></li> </ul>
What is the final value of number?	<ul style="list-style-type: none"> <li>a) 2</li> </ul>

```
index = 3
index = index + 1
number = max(index, 2)
```

- b) 3
- c) 4
- d) 6

Which line of code is an example of initialization?

```
sum = 0

def get_number():
    if buttons.was_pressed(BTN_A):
        number = random.randrange(10)
        sum = sum + number
```

- a) **sum = 0**
- b) number = random.randrange(10)
- c) sum = sum + number
- d) def get\_number():

Which line of code defines a global variable?

```
sum = 0

def get_number():
    if buttons.was_pressed(BTN_A):
        number = random.randrange(10)
        sum = sum + number
```

- a) **sum = 0**
- b) number = random.randrange(10)
- c) sum = sum + number
- d) def get\_number():

Which line of code defines a local variable?

```
sum = 0

def get_number():
    if buttons.was_pressed(BTN_A):
        number = random.randrange(10)
        sum = sum + number
```

- a) sum = 0
- b) **number = random.randrange(10)**
- c) sum = sum + number
- d) def get\_number():

What is needed to fix the error that occurs in this code?

```
sum = 0

def get_number():
    if buttons.was_pressed(BTN_A):
        number = random.randrange(10)
        sum = sum + number
```

- a) Change the last line to sum = sum - number
- b) Add if statement before sum = sum + number
- c) Move sum = 0 inside the function
- d) **Add global sum in the function**

What line of code will set a violin tone from the soundlib module?

- a) **sweet\_tone = soundmaker.get\_tone('violin')**
- b) set soundmaker.get\_tone('violin')
- c) sweet\_tone = soundlib.get\_tone('violin')
- d) violin = soundmaker.get\_tone(soundlib)

What function will ramp the current pitch to a new setting over a duration?

- a) sweet\_tone.play(new\_pitch, duration)
- b) **sweet\_tone.glide(new\_pitch, duration)**
- c) sweet\_tone.set\_pitch(new\_pitch, duration)
- d) sweet\_tone.move(new\_pitch, duration)

What does the first line of a for loop look like that will execute 5 times?	<ul style="list-style-type: none"> <li>a) <b>for i in range(5):</b></li> <li>b) for i in range(4):</li> <li>c) for i in range(5 times):</li> <li>d) for i in loop(5):</li> </ul>
What is displayed by the following code: <pre>for i in range(5):     print(i, end=",")</pre>	<ul style="list-style-type: none"> <li>a) 1, 2, 3, 4</li> <li>b) 0, 1, 2, 3, 4, 5</li> <li>c) 1, 2, 3, 4, 5</li> <li>d) <b>0, 1, 2, 3, 4</b></li> </ul>
Which is a blocking function?	<ul style="list-style-type: none"> <li>a) siren = soundmaker.get_tone('trumpet')</li> <li>b) siren.play()</li> <li>c) siren.glide(440, 1.5)</li> <li>d) <b>time.sleep(5)</b></li> </ul>
Which is a non-blocking function?	<ul style="list-style-type: none"> <li>a) time.sleep(1.5)</li> <li>b) <b>soundmaker.get_mp3('sounds/roll')</b></li> <li>c) audio.mp3('sounds/roll')</li> <li>d) audio.pitch(520, 1.5)</li> </ul>
What is the final value of "init"?: <pre>init = True init = not init init = not init</pre>	<ul style="list-style-type: none"> <li>a) <b>True</b></li> <li>b) False</li> <li>c) 2</li> <li>d) An error occurs</li> </ul>
Given the code, which is an example of a magic number? <pre>GRID = 10 x_center = 120 y_center = int(display.height / 2)</pre>	<ul style="list-style-type: none"> <li>a) GRID</li> <li>b) x_center</li> <li>c) <b>120</b></li> <li>d) display.height</li> </ul>
How do you convert a float to an integer?	<ul style="list-style-type: none"> <li>a) <b>int(5.0 / 2)</b></li> <li>b) float(6 / 2)</li> <li>c) convert(120.0)</li> <li>d) str(120.0)</li> </ul>
What error is caused by the code: <pre>x_center = display.width / 2 display.set_pixel(x_center, 120, RED)</pre>	<ul style="list-style-type: none"> <li>a) Index out of range</li> <li>b) x_center is not defined</li> <li>c) Invalid syntax</li> <li>d) <b>Can't convert float to int</b></li> </ul>
What is the result of this code? <pre>for x in range(display.width):     display.set_pixel(x, y_center, RED)</pre>	<ul style="list-style-type: none"> <li>a) Draws a vertical line down the center with pixels</li> <li>b) <b>Draws a horizontal line across the center with pixels</b></li> <li>c) Draws a diagonal line from top left to lower right</li> <li>d) Displays 120 pixels in RED</li> </ul>
How many times will i be printed? <pre>for i in range(1, 6, 2):     print(i)</pre>	<ul style="list-style-type: none"> <li>a) 1</li> <li>b) 5</li> <li>c) 6</li> <li>d) <b>3</b></li> </ul>
How many times will j be printed?	<ul style="list-style-type: none"> <li>a) <b>6</b></li> <li>b) 5</li> </ul>

<pre>for i in range(3):     for j in range(2):         print(j)</pre>	<p>c) 3 d) 2</p>
<p>What code will draw a vertical line down the center of the LCD?</p>	<p>a) <code>display.draw_line(0, y_center, display.width, y_center, RED)</code>  b) <code>display.draw_line(x_center, 0, x_center, display.height, RED)</code>  c) <code>display.draw_line(0, 0, display.width, display.height, RED)</code>  d) <code>display.draw_rect(0, 0, display.width, display.height, RED)</code></p>
<p>What is the result of this code?</p> <pre>WEB_SPACING = 10 for i in range(0, 240, WEB_SPACING):     display.draw_line(0, i, i, 239, RED)</pre>	<p>a) Will draw a web with spacing of 10 pixels  b) Will draw a web with spacing of 20 pixels  c) Will draw a diagonal line of red pixels  d) Will cause an error with too many parameters</p>
<p>What function can be used to return the range of y values?</p>	<p>a) <code>Display.width</code>  b) <code>Display.height</code>  c) <code>Display.x_range</code>  d) <code>Display.y_range</code></p>
<p>How many times will the outer loop execute?</p> <pre>for d in range(0, 240, 20):     for x in range(d, d + 10):         display.set_pixel(x, 120, WHITE)</pre>	<p>a) 240  b) 120  c) 12  d) 20</p>
<p>How many times will the inner loop execute each time it is run?</p> <pre>for d in range(0, 240, 20):     for x in range(d, d + 10):         display.set_pixel(x, 120, WHITE)</pre>	<p>a) 1  b) 20  c) 12  d) 10</p>