

Mission 2 - Introducing CodeAIR Review Questions

1	Select the computer science definition of: PERIPHERAL	<ul style="list-style-type: none">a. Notes to the programmer that explains what is happeningb. Instructions to the computerc. A device that gives input or outputd. A library that contains pre-loaded code
2	Select the computer science definition of: CODE	<ul style="list-style-type: none">a. Notes to the programmer that explains what is happeningb. Instructions to the computerc. A device that gives input or outputd. A library that contains pre-loaded code
3	Select the computer science definition of: COMMENT	<ul style="list-style-type: none">a. Notes to the programmer that explains what is happeningb. Instructions to the computerc. A device that gives input or outputd. A library that contains pre-loaded code
4	Select the computer science definition of: MODULE	<ul style="list-style-type: none">a. Notes to the programmer that explains what is happeningb. Instructions to the computerc. A device that gives input input or outputd. A library that contains pre-loaded code
5	Which of the following is a standard reminder for you to fill-in actual code?	<ul style="list-style-type: none">a. # Good code belowb. # x should be a floatc. # TODO: turn on and off LED1d. # PUT CODE HERE
6	All of the following are peripherals on CodeAIR EXCEPT:	<ul style="list-style-type: none">a. Sensorsb. LEDsc. CPUd. Buttons
7	What is the CPU's job on the CodeAIR?	<ul style="list-style-type: none">a. Execute the codeb. Provide +5 volt powerc. Figure out what you are thinkingd. Make sure the motors are functional
8	What should you do before handling a CodeAIR?	<ul style="list-style-type: none">a. Jumping jacksb. Touch some grounded metalc. Clean it with wet-wipesd. Import the codeair module
9	Where does the code for CodeAIR run?	<ul style="list-style-type: none">a. On your laptop or computerb. In the cloudc. Through a radio controld. On CodeAIR itself

10	What should be the first line of code in your program?	<ul style="list-style-type: none"> a. <code>print("hello world")</code> b. <code>from codeair import *</code> c. <code>leds.set(0, 0)</code> d. <code>leds.set(0, 50)</code>
11	What does this code do? <pre>from codeair import *</pre>	<ul style="list-style-type: none"> a. Provides access to built-in codeair code b. Turns on the codeair LEDs c. Imports asterisks from the codeair d. Tells the computer to run the code
12	What is the result of this code? <pre>leds.set(0, 20)</pre>	<ul style="list-style-type: none"> a. The first LED turns on for 20 seconds b. The first LED turns off for 20 seconds c. The first LED is set to 20% brightness d. An error occurs
13	What is the result of this code? <pre>leds.set(1, 20) leds.set(7, 20)</pre>	<ul style="list-style-type: none"> a. The second and last LEDs are set to 20% brightness b. The 1st and 7th LEDs are set to 20% brightness c. LED 1 turns on for 20 seconds, and then LED 7 turns on for 20 seconds d. LEDs 1 and 7 will blink at a 20 second cycle.
14	What is the result of this code? <pre>leds.set(5)</pre>	<ul style="list-style-type: none"> a. LED 5 turns on b. LED 5 turns off c. LED 5 is set to 100% brightness d. An error occurs
15	What is the result of this code? <pre>leds.set(10, 50)</pre>	<ul style="list-style-type: none"> a. LED 10 is set to 50% brightness b. LED 10 turns on for 50 seconds c. LED 10 and LED 50 turn on d. An error occurs