**Mission 3 - Light the Way** Review Questions

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| What is the purpose of an API? | a. It is how the keyboard and mouse interface with CodeSpace<br>b. It is the feeling you get when you fix a bug in your code<br>c. It describes how code interfaces with other code<br>d. It is used to turn on and off the CodeBot's LEDs |
| What are binary digits? | a. True and False<br>b. 0 and 1<br>c. The numbers from 0 to 7<br>d. All integers |
| What symbol is used to add a comment to your code? | a. # Comment<br>b. ' Comment<br>c. " Comment<br>d. (Comment) |
| What is the number of the highlighted LED?<br> | a. 3<br>b. 2<br>c. 6<br>d. 5 |
| What line of code will light a single LED? | a. leds.user_num(True)<br>b. leds.user_num(0)<br>c. leds.user_num(True, 0)<br>d. leds.user_num(0, True) |
| What line of code uses a binary string to light up user LEDs 1, 5 and 7? | a. leds.user_num(0b10100010)<br>b. leds(0b01000101)<br>c. leds.user(0b10100010)<br>d. leds.user(0b10001010) |
| What line of code uses a decimal string to turn off all LEDs? | a. leds.user(0)<br>b. leds.user(0b00000000)<br>c. leds.user(False)<br>d. leds.user_num(0) |
| What line of code turns on a single line sensor LED? | a. leds.ls_num(0, True)<br>b. leds.ls(True)<br>c. leds.ls(0b00010000)<br>d. leds.ls(0b00100) |
| What line of code causes a short delay? | a. delay(1)<br>b. leds.delay(1)<br>c. sleep(1)<br>d. leds.sleep(1) |
| What is the result of the following code?<br><br>```\nleds.user(0b00000000)\nleds.user_num(3, True)\n``` | a. leds.user(0b00001000)<br>b. leds.user(0b00010000)<br>c. leds.user(3)<br>d. leds.user(0b00000100 |