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| **Mission 4 Assignment Log** | **Name:** |
| **Pre-Mission Preparation** | |
| What do you already know about RGB colors? |  |
| Many devices use RGB colors for their displays. List some devices: |  |
| **Mission 4 Checks** | |
| Objective #1  What is the code to set the first NeoPixel in the ring to red?  What is the code to set the last NeoPixel in the ring to blue? |  |
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| Objective #2  How is a tuple like a list? How are they different? |  |
| Objective #3  Write two lines of code that:   * Define a constant for a color * Assign the color to the fifth pixel |  |
| Objective #4  Given this code, identify the parts: | |  |  | | --- | --- | | parameter |  | | # of loops |  | | Loop variable |  | | Index variable |  | |
| Objective #5  Write a line of code that generates a random number between 1 and 15: |  |
| Objective #6  What is the value of a microswitch when it is not pressed?  Explain what this code does: |  |
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| Objective #7  Explain what this code does: |  |
| Objective #8  What is the variable “was\_pressed” used for? |  |
| **Post-Mission Reflection** | |
| What is a challenge you had with this mission? How did you overcome the challenge? |  |
| What is something you learned about yourself during this mission? |  |