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| **AP CSP Python with Robots**  **For Loop Practice Assignment** | | **Name:** |
| **Introduction** | | |
| During this assignment, you will apply for loops by modifying three previous programs. You will also add a list of tuples and traverse the list to play a song. | | |
| **Warm-Up** Reflect on the programs you created and modified during this unit. | | |
| How is a for loop similar to a while loop? |  | |
| How is a for loop different from a while loop? |  | |
| **Examples and Challenge** | | |
| Use this space to take notes about the code for example #1. |  | |
| Use this space to take notes about the code for example #2. |  | |
| Use this space to take notes about the code for example #3. |  | |
| Use this space to take notes about the code for example #4. |  | |
| What remix project did you select for the challenge? How did you modify the program? |  | |
| **Wrap-Up** | | |
| What is a tuple? |  | |
| When will a for loop be used in code? |  | |
| What is something you learned during this lesson? |  | |
| During this lesson you modified the LineSense, WhatIf and SweepLEDs programs. For the challenge you modified a remix project. Submit the required programs to the teacher. | | |