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| **AP CSP Python with Robots**  **Lists with CodeBot Assignment** | | **Name:** |
| **Introduction** | | |
| During this assignment, you will define another list and functions that traverse a list in two ways. You will apply this skill by modifying a previous program. | | |
| **Warm-Up** Open the ***PythonLists1*** program and answer these questions. | | |
| In the first function, how did you access an element in the list? |  | |
| In the second function, how did you access an element in the list? |  | |
| What change did you make for the third function? |  | |
| **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 modification did you make to the LineSense program? |  | |
| **Wrap-Up** | | |
| Explain how to access a random element in a list. |  | |
| Explain how to traverse a single list. |  | |
| Explain how to traverse two (or more) lists at the same time. |  | |
| Explain how to traverse a list more than once. |  | |
| Submit your completed ***PythonLists2*** and modified ***LineSense*** programs to the teacher. | | |