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| **AP CSP Python with Robots**  **Lists #2 Activity Guide** | | **Name:** |
| **Warm Up :** Answer the questions, either individually or in a group. | | |
| |  |  | | --- | --- | | What is a list? |  | | How do you define a list? |  | | How do you access an item in a list? |  | | What are some list methods? |  | | | |
| **Code Tracing Activities :** Write the result of each code tracing activity. | | |
| Code Tracing C |  | |
| Code Tracing D |  | |
| Code Tracing E |  | |
| **Wrap Up :**  Write the definitions in your own words. Then complete the code tracing activities. | | |
| What is a list? |  | |
| What is an index? |  | |
| What are elements? |  | |
| What is the list length? |  | |
| What are some list methods? |  | |
| What is the first index of any list? |  | |
| What is the last index of any list? |  | |
| Given the list, indicate the value of each element.  myNumbers = [5, 4, 3, 2, 1] | |  |  | | --- | --- | | myNumber[0] |  | | myNumber[1] |  | | myNumber[3] |  | | myNumber[4] |  | | myNumber[5] |  | | |
| What will be displayed after the code segment is run? | **myList = [2, 4, 6] myList.append(8)**  **myList.insert(1, 10)**  **myList.append(myList[0] + myList[3])**  **myList.pop(3)**  What are the final elements of myList?  What are the final indexes of the list?  What is the final length of the list? | |