|  |  |  |
| --- | --- | --- |
| **AP CSP Python with Robots**  **Lists #1 Activity Guide** | | **Name:** |
| **Warm Up :** Answer the questions, either individually or in a group. | | |
| Pre-work: | |  |  | | --- | --- | | What are some lists you use in your daily life? |  | | What is a variable? |  | | What is a limitation of a variable? |  | | |
| Warm-up:  Pick any topic that interests you, or use your daily activities.  Write a to-do list: (add bullets as needed) |  | |
| **Code Tracing Activities :** Write the result of each code tracing activity. | | |
| Code Tracing A |  | |
| Code Tracing B |  | |
| **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 = [32, 64, 33, 0, 15, 26, 31] | |  |  | | --- | --- | | myNumber[0] |  | | myNumber[1] |  | | myNumber[3] |  | | myNumber[6] |  | | myNumber[7] |  | | |
| What will be displayed after the code segment is run? | **myList = [15, 33, 25] myList.append(13)**  **myList.append(myList[0] + myList[3])**  What are the final elements of myList? | |