







James Tam



- Use the length function len to get the length of list.
- Example:

```
myList = someFunctionCreatesList()
myListLength = len(myList)
i = 0
while (i < myListLength):
    print(myList[i])</pre>
```

When To Use Lists Of Different Dimensions
It's determined by the data – the number of categories of information determines the number of dimensions to use.
Examples:

(1D list)
Tracking grades for a class (previous example)
Each cell contains the grade for a student i.e., grades[i]
There is one dimension that specifies which student's grades are being accessed

One dimension (which student)

(2D list)
Expanded grades program
Again there is one dimension that specifies which student's grades are being accessed
There is one dimension that specifies which student's grades are being accessed

























Extra Practice List operations: For a numerical list: implement some common mathematical functions (e.g., average, min, max, mode – last one is challenging). For any type of list: implement common list operations (e.g., displaying all elements one at a time, inserting elements at the end of the list, insert elements in order, searching for elements, removing an element).

