Lesson 13 – Notes

**Lists**:

* A value that contains values
* Contains multiple values in an ordered sequence
* Values often called items

Access values:

* Values are accessed by their indexes
* Lists can also contain other list values
* Lists of lists items are accessed by using multiple indexes

Negative indexes:

* Start from the end of the list and work its way backwards
* -1 🡪 last item in the list
* -2 🡪 second to last item in the list

Slices:

* A slice of the list
* Spam[1:3] – starting and ending value
* Starts at 1 and goes up to BUT DOES NOT INCLUDE 3
* Can leave out either number
* Leaving out the first number assumes it starts at 0
* Leaving out the second number assumes to go to the end of the list

Changing list values:

* Use the index
* Use a slice

Delete value from list:

* Use del statement

Random:

* Convert a value to a list 🡪 list(‘Hi’) = [‘H’, ‘i’]
* IN & NOT IN – determine if an item is in a list or not