

WEEK 4

LISTS / ARRAYS



TECH BHOI

JUL 20
JUL 24
2020

```
132 em.mall{  
133   background: url(../img/mallico.png);  
134   display: inline-block;  
135   width: 12px;  
136   height: 14px;  
137   float: left;  
138   margin: 2px 7px 0 0;  
139 }  
140 em.phone{  
141   background: url(../img/phoneico.png) no-repeat center;  
142   display: inline-block;  
143   width: 20px;  
144   height: 18px;  
145   float: left;  
146   margin: 2px 7px 0 0;  
147 }
```

List Operations

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ADD / REMOVE FROM LIST

```
groceries = ["eggs","bread"]  
groceries.append("milk")
```

listName.append(value)

Whenever we append, we do one element at a time, and it goes to the end of the list
our list now looks like [eggs,bread,milk]

While we go across the aisles in the grocery store, we want to cross off items (remove) products from our list that we have in our cart already. In python, this is represented by using the remove keyword (as seen below)

```
groceries = ["eggs","bread","milk","fruit"]
```

groceries.remove("bread")

now our list is ["eggs","milk","fruit"]

LIST FUNCTIONS

Size of a list:

len(listname)

This will return to us the number of elements in the list

Smallest value in the list:

min(listname)

This will return to us the smallest value in the list

Largest value in the list:

min(listname)

This will return to us the largest value in the list

Existence:

value in list

This will check whether a value exists in the list, will return a boolean

Merging lists (Concatenation):

list3 = list1 + list2

This will add the two lists together and store the "new" list in list3 without changing list1 & list2

What is the appropriate keyword to add an item to the list at the back?

- a) insert
- b) add
- c) toend
- d) append

How would you add the location USA to the following list?

```
places = ["Canada",  
"England","United Kingdom"]
```

places._____("_____")