List

Command	Structure	Example			Obs
Define List	[list name] = [[item1, item2, item3]]	zoo = ['horse', 'dog', 'parrot']			
	[list name] = [ ]	empty_list = [ ]			Define lista vazia
Print Entire List	print([list name])	print(zoo)			
Item of List	[list name] [[index]]	print(zoo[2])			
Replace Item	[list name] [[index]] = "[item]"	zoo[2] = 'crab'			
Append	[list name].**append**("[item]")	zoo.**append**("cat")			**Add item no final** da lista
Access Slice of List	[list name] [[initial index] : [final index]]	zoo[:2]	zoo[2:4]	zoo[4:]	
	[list name] [[initial index] : [final index] : [step]]	zoo[1:5:2]			If step is negative, the list is read from right to left
Index	[list name].**index**("[item]")	dog_index = zoo.**index**("dog")			Retorna o **indice** do **elemento** procurado
Insert	[list name].**insert**([index] , "[item]")	zoo.**insert**(3, "snake")			**Add** um **item** na lista **no indice definido**
Remove Pop Del	[list name].**remove**("[item]")	zoo.**remove**('snake')			**Remove** o **item** da lista
	[list name].**pop**([index])	zoo.**pop**(2)			**Remove** item **pelo indice** da lista e **Retorna** o **item** excluido
	del([list name] [[index]])	**del**(zoo[2])			Remove o item pelo indice escolhido
Sort	[list name].**sort**()	zoo.**sort**()			Organiza lista em ordem alfabetica
If / in	**if** [variable] **in** [list name] :				
For / in For / in enumerate For / in zip	**for** [variable] **in** [list name] :	**for** x **in** zoo: **print** x			
	for [index] , [variable] **in enumerate**([list]) :	**for** index, animal **in enumerate**(zoo) : **print**(index, animal)			**Acessa** o **indice** e os **elementos** da lista
	for [variable1] , [variable2] **in zip**([list1] , [list2]) :	**for** a, b **in zip**(zoo, comidas) :			**Acessa** os **elementos** de **varias listas** Vai até o ultimo elemento da menor lista
List Comprehensions	[list name] = [[item1] **for** [variable] **in range** ([start] , [stop]) **if** [condition]]	cube_even = [x**2 **for** x **in range** (1,11) **if** x%2==0]			

Dictionary

Command	Structure	Example	Obs
Define Dictionary	[dictionary] = { [key1] : [value1] , [key2] : [value2] , [key3] : [value3] }	residents = {'snake': 104, 'python': 105, 'fish': 106}	
	[dictionary] = { }		Dicionario vazio
Add New Key/Value	[dictionary] [[new_key]] = [new_value]	residents['bear'] = 107	
Print	print([dictionary])	print(residents)	Print **todo dicionario**
	print([dictionary] [[key]])	print(residents['snake'])	Print **valor** da chave
	print([dictionary].**items**())	print(residents.**items**())	Print **todos** os **keys** e **values**
	print([dictionary].**keys**())	print(residents.**keys**())	Print **todos** as **keys**
	print([dictionary].**values**())	print(residents.**values**())	Print **todos** os **values**
Delete Value	**del**([dictionary] [[key]])	**del**(residents['fish'])	
For / in	**for** [variable] **in** [dictionary] :	**for** chave **in** residents: print(residents[chave])	

List + Dictionary

Command	Structure	Example	Obs
	Quando os valores de um dicionário são listas		
Aceess Item of a List in a Dictionary	[dictionary name] ['[key]'] [[index]]	residents['snake'][0]	
Alphabetical Order	[dictionary name] ['[key_list]'].**sort**()	zoo.**sort**()	
Remove	[dictionary name] ['[key_list]'].**remove**("[item]")	zoo.**remove**("snake")	Remover um item da lista em um dicionário