1. For the next series of tasks about lists use the interpreter:

a. Create a list of 5 of your favorite things.

#criando uma lista

>>> fav\_things = ['family', 'travel', 'boyfriend', 'wine', 'animals']

b. Use the print() function to print your list.

#imprimindo a lista

>>> print (fav\_things)

['family', 'travel', 'boyfriend', 'wine', 'animals']

c. Use the print() function to print out the middle element.

#imprimindo elemento do centro (índice 2 nesse caso)

>>> middle = fav\_things[2]

>>> print (middle)

boyfriend

d. Now replace the middle element with a different item, your favorite song, or song bird.

#trocando elemento central por outro (índice 2 nesse caso)

>>> fav\_things[2] = 'paradise'

e. Use the same print statement from b. to print your new list. Check out the differences.

#imprimindo a nova lista

>>> print (fav\_things)

['family', 'travel', 'paradise', 'wine', 'animals']

f. Add a new element to the end. [Read about append()](https://www.tutorialspoint.com/python/list_append.htm).

#adicionando novo elemento no final

>>> fav\_things.append ('farm')

>>> print (fav\_things)

['family', 'travel', 'paradise', 'wine', 'animals', 'farm']

g. Add a new element to the beginning. [Read about insert()](https://www.tutorialspoint.com/python/list_insert.htm).

#adicionando novo elemento no início

>>> fav\_things.insert (0, 'boyfriend')

>>> print (fav\_things)

['boyfriend', 'family', 'travel', 'paradise', 'wine', 'animals', 'farm']

h. Add a new element somewhere other than the beginning or the end.

#adicionando novo element no índice 2

>>> fav\_things.insert (2, 'work')

>>> print (fav\_things)

['boyfriend', 'family', 'work', 'travel', 'paradise', 'wine', 'animals', 'farm']

1. Remove an element from the end. [Read about pop()](https://www.tutorialspoint.com/python/list_pop.htm).

#removendo elemento do final

>>> fav\_things.pop ()

'farm'

>>> print (fav\_things)

['boyfriend', 'family', 'work', 'travel', 'paradise', 'wine', 'animals']

j. Remove an element from the beginning.

#removendo elemento do início

>>> fav\_things.pop (0)

'boyfriend'

>>> print (fav\_things)

['family', 'work', 'travel', 'paradise', 'wine', 'animals']

k. Remove an element from somewhere other than the beginning or the end.

#removendo elemento do índice 1

>>> fav\_things.pop (1)

'work'

>>> print (fav\_things)

['family', 'travel', 'paradise', 'wine', 'animals']

l. Use join to create a string. Join the elements on ', '

#criando string a partir de uma lista

>>> string = ', '.join (fav\_things)

>>> print (string)

family, travel, paradise, wine, animals