```
In [1]: first_list = [2, 4, 5]
        print(first list**2)
        TypeError
                                                   Traceback (most recent call last)
        <ipython-input-1-1f41c4b43dbf> in <module>()
              1 first list = [2, 4, 5]
        ---> 2 print(first list**2)
        TypeError: unsupported operand type(s) for ** or pow(): 'list' and 'int'
In [2]: first list = [2, 4, 5]
In [3]: print(map(lambda x: x**2, first list))
        <map object at 0x000001C529EA86A0>
In [4]: first list = [2,4,5]
        print(list(map(lambda x: x**2, first_list)))
        [4, 16, 25]
In [5]:
        def squareit(n):
            return n**2
        print(list(map(squareit, first_list)))
        [4, 16, 25]
In [6]:
        sums list = [3,5,9,7]
        sums list2 = (4,5,6,7)
        print(list(map(lambda x,y : x+y, sums_list,sums_list2)))
        [7, 10, 15, 14]
In [7]: |list_of_names = ['nikola', 'james', 'albert']
        list_of_names2 = ['tesla','watt','einstein']
        proper = lambda x, y: x[0].upper()+x[1:] +' '+ y[0].upper()+y[1:]
        print(list(map(proper, list_of_names, list_of_names2)))
        ['Nikola Tesla', 'James Watt', 'Albert Einstein']
In [8]:
        #Filter
        divby3 = lambda x: x % 3 == 0
        my_list = [3,4,5,6,7,8,9]
        div = filter(divby3, my_list)
        print(list(div))
        [3, 6, 9]
```