runfile('C:/Users/word4/Documents/學校/Python/課堂練習/b10702057-課堂練習 7-1.py', wdir='C:/Users/word4/Documents/學校/Python/課堂練習')
1
[1, 2, 3, 4, [5, 6, 7, 8]]
[1, 2, 3, 4, 5, 6, 7, 8]
2
[1, 2, 3, 4, 'test']
[1, 2, 3, 4, 't', 'e', 's', 't']
3
[1, 2, 3, 4, ['a', 'b', 'c']]
[1, 2, 3, 4, 'a', 'b', 'c']
4
[1, 2, 3, 4, '阿貓']
[1, 2, 3, 4, '阿', '貓']
5
[1, 2, 3, 4, ['阿貓', '阿狗']]
[1, 2, 3, 4, '阿貓', '阿狗']
6
[1, 2, 3, 4, 0]
Traceback (most recent call last):

    File "<ipython-input-58-cdbfab60341f>", line 1, in <module>
        runfile('C:/Users/word4/Documents/學校/Python/課堂練習/b10702057-課堂 練習 7-1.py', wdir='C:/Users/word4/Documents/學校/Python/課堂練習')

    File "C:\Users\word4\Anaconda3\lib\site-packages\spyder_kernels\customize\spydercustomize.py", line 827, in runfile
        execfile(filename, namespace)

    File "C:\Users\word4\Anaconda3\lib\site-packages\spyder_kernels\customize\spydercustomize.py", line 110, in execfile
        exec(compile(f.read(), filename, 'exec'), namespace)

    File "C:/Users/word4/Documents/學校/Python/課堂練習/b10702057-課堂練習 7-1.py", line 64, in <module>
        list1.extend(a)

TypeError: 'int' object is not iterable

Append 把 list 換成 str 加在最後
Extend 把兩個 list 加在一起